

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: launerb@crl.com (William H. Launer)  
Subject: [1015] 10 Meter Beacon heard  
Message-ID: <v01520d03ae106ff58bf5@[192.0.2.1]>

10 Meters is open between Apex, NC and St. Charles, MO. I'm receiving the K5PF 8 watt beacon signal on 28.222 MHz (2200Z, 15 July 96). Although no S-meter deflection, it's a 579 signal.

72/73, Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-1 #279            qrp arco #3551

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Dave.Ackrill@WESTWOOD45.powergen.co.uk  
Subject: [1002] 73 Editorial Address  
Message-ID: <960715183003Z\*/G=Dave/S=Ackrill/O=WESTWOOD45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB/@MHS>

Coincidental to the thread regarding 73 Magazine comes a request from G3SWH on the local Cluster for the Editorial Address of 73 Magazine!

Anyone out there got it to hand please so I can pass it on?

Thanks - de Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [968] A Hamstick Ground Plane??  
Message-ID: <19960715.083735.11207.1.wb2vuo@juno.com>

Greetings from the Depths of the Great Bergen Swamp..

In times past, I have seen/heard of mobile antennas pressed into service as Ground Plane antlers by installing a mobile mount on a pole/mast/pipe/building

or what-have-you. For a portable operation, especially on 40/30/20 meters, I would think that this would/should perform quite well...

Has anyone actually run such a set-up, say with a 20 Meter Hamstick and 3 radial/guy wires?? It's been done for FD, but everyone hears better on FD...

Drop me a line, or, if you think that I am not the only one that would be interested, post a reply, if you will...72/73, Keith, WB2VUO, QRP-L # 582

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [1011] Antenna Book Review  
Message-ID: <Pine.BSI.3.93.960715164845.21623B-100000@u1.abs.net>

Roy, W6EMT

I just bought The W6SAI HF Antenna Handbook this past weekend. I found a photo of your Compact Z-match tuner on page 7-9. What a beauty! I wonder if you have ever published an article about it in one of the QRP Journals or Other Ham Magazines ? I wonder if you would mind sending me a copy of the schematic and layout? Those R-S metal cases look great.

Book Review - by G. Danny Gingell, K3TKS@abs.net - July 15, 1996

The W6SAI HF Antenna Handbook, by William I. ORR, WA6SAI  
Published by CQ Communications, Inc. ISBN 0-943016-15-0 \$ 19.95

What, you don't have the book yet? Well, run right out and buy a copy. You won't be disappointed. The only real improvement that comes to mind, would be to offer it as a Spiral Binder type of binding like the NA5N QRP Handbook. This book is not for those of you who want deep technical analysis of every antenna type. It is for those of us who want a handy book to help point the way to building a wide variety practical antennas.

I am very pleased that I bought the book. I tend to buy just about every book that comes out on building antennas, out of habit. This one is going to become a classic. The "Solid State Design" of Antenna books. Not just another antenna book to put on the shelf, but one that you will use every time you think of trying another wire antenna.

Oh Yes, I bought another Antenna book that is worth mentioning with equal praise. It is the book "Practical Wire Antennas" by John D. Heys, G3BDQ. It is an RSGB Publication (Red Cover) and \$ 14.00 at Maryland Radio Center

in Laurel, MD (My Local Candy Store). It has a wealth of information that is not readily available any other place. Among the special items of interest which I found while browsing thru this book were The "W3EDP" Antenna which Bob White, W03B and The Maryland Milliwatt Team used inside of our hotel room at Dayton with his "Built and Tested at Dayton" 49er Kit.

The Antenna consists of 85 feet of wire wandering around the ceilings of the

2 room suite and 17 foot counterpoise wandering around the floor. This and an ATU and you are in business. We made our first across the room contact with the 49er and a QRP Plus. The official QRP ARCI Monitoring Station at The Day's Inn heard us and called for a second contact. Ain't QRP Great? One of the other interesting items in the book is the Dual Coax Feeders for using with a loop antenna. A pair of 50 ohm or 75 ohm coax cables with shields joined and used like shielded Ladder line. This will allow you to have a low loss path to the antenna with buried coax part of the way.

I have been wanting to try that for quite some time now. I think I will dig a path to my big antenna tree and bury some PVC pipe or garden hose for my Dual Coax feeder. I just happen to have a brand new roll of Computer Network Twin-75's . Sorry about that, I get carried away every time that I start thinking about trying a new antenna idea.

There you have it, not one but two great antenna books for your library.

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net

Ron, Larry,

You are welcome to use this in the Quarterly as it is, or edited.

Danny, K3TKS

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: AlK0FRP@aol.com

Subject: [953] arci summer hb sprint

Message-ID: <960715013114\_237809594@emout15.mail.aol.com>

Gang

Just a quick count on score, 107 Q's 20 and 40 m

425 qso pt's 48 spc's about 142,000 pts. (3.5 hrs)

70 ARCI numbers !!

4 el 20m mono east, 4 el tribander west. 2 el 40m

Had a gud first hour at 40 Q's, stay on one freq for

about 2 hours. Then 20m shut down. 40 m wasn't bad the

last hour. Can't take the home brew bonus pt's because I

had to switch back to the TS-850 to hear the weak one's (about 60%) the OHR Classic just couldn't pull them out. The conditions were vy tough.

Thanks for the points

Al K0FRP

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: af852@rgfn.epcc.Edu (William R Colbert)  
Subject: [1001] B&W dipole antenna  
Message-ID: <9607151828.AA07446@rgfn.epcc.Edu>

for Tim, N2BCF and Jim - W4Q0, The B&W dipoles that I have used (90 ft version- model 375 or 3-30) were originally rated at 2 kw but a few years ago after losing quite a few to RTTY transmissions, they derated the balun and resistor circuit to 500 watts. The resistor is approximately 900 ohms, the original design is from the old CQ/QST articles in the late 1940's to early 1950's by Gil Countryman, called the T2FD antenna. they work ok - in my case not as well as the rosette of sloping V-Beams. Better than a short wire, but a dipole fed with 450 line and at moderate height with a flattop of 120 ft will out perform it (and is much cheaper). Only advantage is a tuner is not required. GL 72/73 Ray

--

Ray Colbert, W5XE/V31XE, El Paso, Tx

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Frank" <g3ycc@enterprise.net>  
Subject: [993] Build a rig in ten minutes!  
Message-ID: <199607151822.SAA04658@mail.enterprise.net>

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_01BB7268.E6302220  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Check out my web page for the Ten Minute TX! Let me know what is the shortest time taken to build the rig and have a QSO, will it be a W, VE, VK, G, DL to set a record?

I append a Gif file of the circuit for those who do not have a web browser.

Enjoy!

--

Frank G3YCC

Ham Radio QRP Web Page:

<http://homepages.enterprise.net/g3ycc/>

-----=\_NextPart\_000\_01BB7268.E6302220

Content-Type: image/gif

Content-Transfer-Encoding: base64

Content-Description: (GIF File)

Content-Disposition: attachment; filename="TENMIN.gif"

R0lGODdhHQIvAfcAAAAAICAgiAAAAICAAACAAACAgAAAgIAAgICAQABAQACA/wBAGeAA/4BAAP//  
/8DAwP8AAP//AAD/AAD//wAA//8A////gAD/gID//4CA//8AgP+AQIAA/xAAAAACgANAARijBBxy/  
9wCBVZkAAAC/9wAARjQAAAAa/9wYARKAAALy/+wC/+BAARtEAAAB/9gYAANwAANGAW/QAW/gAW9gA  
XRwAW+gARhx/99gARgAAW/QAACIAW9h/+9AAWzMAWwAAMvgAANcAWxx/+/jBHDEAW3QAAJAAW/B/  
/ZB//DQAW0+CdQCCdUgAAIqCdY5/9vB/9gB//EwAANOCdUx/9mAAAAUAW0x/9xCCddqCddB/9wEA  
AAP//gr//wAAA8AAA0BGAAR//QCB0zMAAJwAAAS/+94AA0B//YN//TMARj8AACQCAGgAW3gAAFCB  
o7gAR1YARgQAWyAAAFQAAHwAWyWARmgCAFoAW/wAAKoARoMAAKy/9wEAR1AAAHYAAQg/930AAKwA  
AFAARkwAAVgARm0ARhQARngAWwrLypgAW3QAW7K/+wo8L0YGdA7LytyGAgA2CAA2EFCF0FMBLwE2  
EBIBRy9K4QAA4FCF7MA2CCYBRy9MbkcTZA16FCGEFCGHIQBLwAFFAIAAAAEkqIAAACGXgCGRgAA  
AeAAAFIAAC9/Uah/U0c1726GjGQBLwABR4wAAHwAA0gAA08AAAgAAAgBR+gAXZYAA0h/U9Z5KaLN  
otgFjz8RrNoLzgAA70cACF0ACAAA6FMA1ikA6KIA1o8AoqwA2M4APwAA2gAFj/3//iKGAPIA/gQF  
jy9C7QEAAy8BDAAAKQAMWAAMGAAMKPYAACh/U0cMHxgAAB8AACgAACgBRxgAXRh/Uyp5KfbK9uoK  
5gAAAAA0IACGXgCGRgAAAAAAAEAAAFIAAC9/UBh/U0c0L26GjGQBLwABR+AAAIwAAHwAACjA9i8A  
AAEAABgAAAAAPgBR2AAY5YAAC9/UGB/U255KSLFItgFjz8Rr0YMGiwAAAAAHQIvAQAI/gAdCBxI  
sKDBgwTKlZIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsQJkyhTqlzJsQJLlZBjypxJs6bN  
mzhz6tzJs6fPn0CDCh1KtKjRo0iTK13KtKnTp1CjSp1KtarVq1izat3KtavXr2DDih1LtzZs2jT  
ql3Lltq3bt3Djyp1Llt67du3jz6t3Lt6/fv4ADCx5MuLDhw4gTK17MuLHjx5Ajs55MubLly5gza+ap  
QYPGzptDS+5MmvRH0wRRcWsdkbXo14w902At26Pr1bVt54bN27Bs2q1LDzStWqHq48WJu0bNvPTt  
2cJ7S8f7+/fw2stp7z4oPPr1gs2//uM0zh379uno4z5fX128cc/woYPfnd397efyyaffr56+8/Dj  
LQSacvMVGGB+CCaI23/n8efgWewlVJ+A1ikY4YETHujegxy6hd997WmI0IUbIjhhtcthtIF+HLHr1  
33zRdVecQc5Bp9yLMmYHH4jsedfij0AGKeSQRBZp5JFIJqnkkkw26eSTUEYp5ZRUVmn1lRJut6KC  
WHZZE4MNwvRhgt6aaZLIYZ505ZlnuImSmkuuGNuNS5oI4zNvXgdj94xiKd5A7b5pk0AFGrooYda  
FueeImKonX3myUdiiZSaS0eJg/aE6KaGZraioJZC0qak/tFIppalNpopT4Uq1Cpm/p+e2meke4JI  
qoH6mWqqn6quqt0rCAGr6HmxQ1opcrfmWimXbYLqK03CGhQtZcXqeQejxo4XKK725Uorts/6NC1B  
40Kmp40+3nnjnNXNuq06vMq5q38xnhsuTuUK10+9/Ha17779BozVvwAIbLBXBEckbKIHNyxuwQkB  
LC3E5FLs8MX4WjxxxK1yarHEGIE8UsIc0/DqtCCLrLJJJHNMcoaryyzSi0HCyzMMwe8cMoi1bzx  
yRC/HHP0gzJscsE8g+RzxUgDHTSiRid7c9NHd4rS0lFnfRAHT+99U1Ya0301F93ffXQXKMt9sxx  
A/01y2q/vXbWbXudNEZhA+bx/t589+3334AHLvjghBdu00CIbaqv01WDHffddx0u+eSUV2755ZhT  
mfdfkF/UeUdWz53T5n59XpHpG4Uu+k2k94X6RK9npDrdmMdesatx1567R7Z73vtSDBwUPDB61X7  
73JvfBjyDTEPu/NEEV98QdNPH/nuDyGP+PLYcwS9wt/vJDxC1gtkffl1/a793413n7r7Ic1u1fjD  
028+/dUT74D0bqkPP/j/c10AfQcT+VXFftRDIeHkdz4FzuR4lnsfBCdIQQg+cIAWCV/2NGgT6ekv  
geRDYANHV8HDSbCEKEwh4S6YEg42z4U3ceD96kdD9NUEhht83+kypxQcvrCF/hj0ng9pIsP9KdCG  
M0QiC5couyDWbILDXEgUo3gQA1Kli0hT4v2KKBMq4k6HFLGdF5UWRN6V8XkFHGMHPZg/DyaQizFR  
40EGMAAwohFvZ4RWHu0ItzTuUTRYLagd66gRANAxjHsMpBCZ2EeXWBFiIhTIIP9oskPekYA9pCQe  
gejISHIvJofoNyXB10QoahKTjuukkG15yMXpcJQ53GQmGVkSNT4ySHJspSsLCTFY/lCWSfFk8khi  
y1MC0pgP8aUFHeBLhuwLAhD4ZTCRiUh0skSYn1SjLpnGQ2YS0iF+g2bgTElLY1LTmdg0DBW3eZJm  
umxv4tzeNmS5kjHeEpfN/kSI002yT41AMyH9NIowp5hP3BX0Mj5k50oC+pB/6v0bTBnoQQtiz3QW

BocKZQ1DG+LQOUKUnCPR4u30ds10QW1IMNXo0z86kY4aRKVC0SD/0KmRmZZsZHxDaUEz+pJWspSj  
0XwoVFwo0rRlJH9fxKnRpoXED77RMn7DCE970sipJsSlgvzpPEMKx11aZIQ3pd1J3+ZGEGZReEXd  
IlqdypeoWgSmKamqXCUCJVBqFS1E7eowJQJWm5XUYzRcIP4G05C0GrGwep2LAU1nVzjIVZd3JQhW  
CQLXWoixoiZFX1Er2rVynRWxoJ2hEcfn1L6iMiyLxWBjqfrYqtZVqHos/mVI2ChFSqaVsw75rGgP  
u9u+mjaDE/0Vp6o4wMpqTLXef01LIws6sy30pFTbIT0nktngTqx7uuWtdn072LICkyuA1VZ1VwvK  
1hKSuQKZrCTRK0Sq3axxpu0sPHObWNw2JLvcDe12CStbfzVtsXA1r0zMCxH1JjeVW4uW26qp1Pky  
xLBeBSJ2Rcjf/eo3v/0dys7g191xFUqlxi0vew1i4BAD15UK9hqDgUfbsEqYvgYp3mcZSFoMf3ev  
hAqdc3841tsF1LwCJkqJR8xL974Mvk60rh6H67inRYuNNHYgW7c42tGuFcJVNKqWH2bUzjbuZ0Yb  
6T59CuQg98TAB+7j/tS8jDqLWpbJcNsbX1WMYxIqb8cU/a+He/1ThpbZKE02pmW3UigJGNrQQ1Tc  
c+dcNiXzMs9dRluHhwYsWJp5vUAGSqCbDEMOTjmNh0a0kntcZ6DA2dQf0xjSSkbqCCP3rZneyaaH  
mk8ZJxZuoZZAosfQzKTe084RXrTNFA1pyl46mcdeyayfIt01ctPBTCz1ruUcUUCXGbo6zld4i/3E  
hZhYI9AMt7jHvWynNFu7VRtnc6U9aqf1+sRiSe1zI+htIreU3Pj0t7hhG5Vzb9a6hQ71tKvybrFS  
ms7wrvdF9M1wNDvk2z/xNxx/Z9M8s/ts1sYpfW36Qf5B+dZKHhD/hd8Wrsyp0EMFwnEuSySTysP  
I0id2MwBTHD4VRysNTafcCk2coRLtyF0RHnKF2pvDWecuEetcMVMdMPEQthqrWb0Q0gr2JzvT7Qg  
N7ih4knyhItc6Pi+yco1dfSXf1XpaWP6fY9Y30kX/JIPtrqVeWv1rEt46xBgmBjBH6iU5UqnmSe  
EgN+aM/ausW7re1Sy07Gqctdxui0fMYkG9SRek7fHgXK2MneRU1qkfCiToitE0/6d6p60Khf08ev  
TGH0f93sPy+Ieje/UsAz3vIw5yLodR230rIdnGE2WerrOWHBYj27wqU87Fes/OX+hPY7Cfwf/612  
s9Zdv4rPdpzN/tn042Nf8qzj+b637PXXZ74n0E9+HPd4WwBU3+1Vjjj/iXZbuX0uQ+KqvcYsBWPWh  
pzfcDtBR14UQszcAKKRsD+d3Rtd5SeddSydw7eZkVGR/zPcVrxJN40Z+sSd71ZdVBxh8DJF+6pdG  
jvN+PSN98XN7sYV59Uc5BNiBxtZuESGcwPYRDuhXuAaBGLd+FEhK8QYxYTdv1XNVMDgQxtWdXyZs  
NddyzpZU1mWCKaiCjNNcY3GB5JYS5VZb5ReCChhTtdaELkZ8UEhGt5dimvR2JPV1DgcSBrZn0XVS  
Ubd8CKGDNwiDYiIDT6iDnNYSe7ZIPyh7LaFe5WJSW/ZezhRg/13ohbN1eE5oTmOYgvi3SziEhggW  
E4IoaTFDNhBhSDBFh503fiWoh40YbBuUT3VTiWAhtJeiH4V4Z0gkYJ7of6CYg4W30zjja5A4b2mI  
WirYfLiXNtkGdRT4KqsViznGgLQYe1qYhM8DPWsmakmYZKnmZAVWhLtmhD+WiEGBghfhcZ+2exJz  
izuETJq4i9FYTW7TdSdnjR840zx1jMc4i92IdovziKQY085IjdBogRjkXP4YXeuYZ+0YM651bFfB  
jfNYevUoiqYXh5tIjnomV1V4Rimmiw6xhi7BTvB4Q71Yao4HfgtZi+i0bRt4Qh75EZTYSBX4jA1V  
hDUBWXVE/gEy0ZM0WZM2eZM4mZM6uZM8SQFIJ49nJ1LgaIsAEAFGeZT4CJE+N3z8WJIbBj8YyVrJ  
1ZNuWZVWeZU0+ZMkmHsuF5LK+GyGcpRImUf5CIwD2ZFA+ZDMmGDuE5W0ZUkyuRRxKYca13sK2YLy  
4zFiaZRnuUJC2I4T6Wvu9l+k+II+UVVzmRSJ+Yt8yH70iJfieDR7GQF90TgaqBhu5pYqUZ0I6ZNK  
sZiXWVJcqX9hyIyFmPlJuUjlyBiZ6ZIXsZNY6Z1r2ZgS6WKnuZep+Whvk5L9hpYcmBFBWBGgGYAQ  
IJtIMZwnqZKoaHY5VXKxt5qL0WuaeRBCRxGgGW7GeRTI/k1QJkSFtk1tWwh30ImZvumLEZGBJDZ+  
ELGY2JmdRrGdjY5ZtSiKvMbCLeb5akV7+aaC6GeLzidDkCT7YmcRAGfCPM4qUaXajm0L8ebtJYT  
ANiS/JmeE2oQMzmGBDoUBupf9JmJZF1GDsqh0MF3anhdQx0hF41VGWoR0ikSGwpeCMqYuUkkb8d3  
+daC10mWKDoQKyoRVvKRL0poMcqU+IQUNoo2GLmjBNGj6zmTCpGVHRGkqrSPs41HUB0idIG10Zqj  
4qY2DqekS+qeEwG1DEGmGSG1tEm1jDmOzUmj+X1v9KcQBgamBcGkZUqgNVmnduoQaDowQ+o7qYWE  
06G1/r+JEZNFp3p6EU56Edepp2I6pmJKqLrJioKZfTp1pBwaopSXqQKxpwmBp4m5qDz6qD4aqW+6  
nFX6kNjjkGtXP1LWVFjGFpL6f5y6jkGFqIxKqg0Bqtkpp2qqw/Rpwf5p834S4JqZb83Y63Hf6sH  
ZWQxq8S5EegZrMC6EMjqp7+6mJ76pKZ6oK0oqkTJNBSBXxVmYzamc4EJaLUKVAAaoNXXrb1qoT6p  
re96p1oppN8KfPcEMwNErhdWrgD7fXYnFdDarv9pnfWKENdqItKr2farSJKqTkUNp3jr70VsBcb  
WgNre0eBVSAokLS6rokqnGIAqiYbpg97r/pJrLGk/m0s26rG17Eya2EX25VNqa5g+U4AaLDuyqI1  
65mg6bAYIaxW0To/OYi5AzkWS7NM03/VcxYFW3kVUAF5Z0V451A8u63x6qhBe7Ipp6BLWJo0VZgg  
czdLa66PCZJ/qK5T27Zvi7QAEE//h7CK0pzYKqrYSrIqmxVGm4T1KbYKYU0jZ3zKGrMxtrFFe6oP  
0bZuG4dM1rUJ+612a7Kymbd6C7YcC7h0WJHAT3E06HKgG2VsdYPpKhSMS7UQMLXpZ1BWKLIo07R3  
a5PZGin2ir1T0bfktzM++CAheroVQJyqu6BzS7caYaZ5aqbFC7Ewmq8dGprLyLuKaxCnK1nBaxE8  
/tuzG/GjHkG0YSuxz9to97kfaDi90ku1C+e6Ixu10emiyouvmsuKeCa8DvJuvpsQU4u+hUq8itm+  
K8u83x1f0RsXF1W/CqG613u9vxqbe+un/gu/bRbAcIFN5LSQwYurcjqd6/uZ/Mu3Bxie6BFJE8wQ  
1UucrmvBudqoGrzAw9rB9pkeckTAi/u7myqhpRqmtKsT3KtYCfo50PqsRxfCMcy1Feqf1GrDCmy7  
cqGJkNPDPpwSQAwRI8yBdDqtEUGvN5wT0azDrbi70GsSMDwRU5s71Umy0JSnKYzEAiw0a/q+0sFB

X1wRYYw9wemzZYy877nBeaGOKcPETQwST0wR/m0LkMpWeVhZyIZ8yHiMF+o4TJzbIc7zxxYRxs5L  
Ei6FyJZ8yS2KxkksyBqouy3y02/MR16EwETBxz1mtQkqbCwS06Hsh2ssEqS8gHrzSEpsyn0MyIx7  
gkiLhfh7FLZ8ykn1ZYfbcR83d5+LuDrcpuXbtm/WwB0Ry7IcGKhMktaHdXQnd2rVPsosEK2ci2ws  
rb3syxA8Z/yKgId7zVeXzer8fYMhbwMBydznz0AWzhuo0vYcjdZyxkTqLvTrPbDQIkXq4rch/CM  
qqkKzncXaShmNy+rwpxDPgsxuJDHzugm0Jtsztxc0Gr6ysBJz8/5hiBdf/i5r+PcFEwmMRL9/nuF  
FdDI3JuJdGrvHMXI+M0VAc0ScYpsudBINskcnRgAU1bedXPMatGZS0BR9275jEw2fdNqnI4MDb6F  
qcmEoc8CBdKMI29HHb1JfUpLLXLS9I/gC9ZRfdDkSR16p2LxG2nuXIc0TRFdjYFfHdJ0vdNj3dPt  
Y9ZrJow4Nm1tPdN97U8eTaH8qWj3PI06LYTf+XHUXRRnTVxq02HeG49SrVwccauR2MKsWdKJm9P6  
AoyshsosZ9eAXdnDq8s8rN1FDR16HWYJ87HJ6deFiTpnW9kZGNgn0BmLfbsI6rjWtmHGwJCyXd02  
rYZX0NzzKRM5TWu0jNHpFYFNvaqhE9xw/trRKWfcrqzaqJ21SDqnAXjc0c3bBCHdo32+WMuCHInb  
2a3FVeSfV+jKYJ0y4t2S5H2rKCfZ2F0kuzx+Nzqp79098a2pbq2kDSeLkZHcP3hwxD3HwNTfQTzb  
gK1eA27fip3eFw2eIUvFCy7X7vPfAVmNa7jfEu4YBs6L23zhcG2lwikiNPcjMDsDiAJ6i0urVbC3i  
FJ7G1UjCJhwTvuvihW6r1j1d0VnjERxARJwT0y7D8n3B0c7YQm5uTd4/A7Tk0r7jLf7iRppjId4Y  
I360UnHkPH7Ba1vgT94WI+71SG6i3enk6I3fYy7CLa7RQ8hsbT5LbloV3SzakS11Ys7m/lfB4a/9  
16U851t1qWYBwA+K3IKeFlv01CUJUg9dQo0a6HzExdXGGc7CkZDexpJ+bWlu0irYHbtSKyhSL+ui  
Js456a9Rmaq+6qx0by2RIfKSLbVSipe02RkGG62e67q+6yW0EusBHgkC670xGuIRIo137KvzZqzq  
F83yLrKeH49CIN7s3c1+2X+eF82iIXWiH9G+LdPundVu7YsuE9oBILZiIdseH/Fx28ge7tM+7jFx  
7uiCLOASIDdi7eDu7mS47Mz+LcqSIed+7+y0kpu0JdRcGNsu6nLSLqTu7FyS7xCv7xI/tgQ/8RYv  
TdR+8Rp1qe+8RoFpVdu8eJ7TiEv/vIfTPIfb/KfjPIq/+1Sw/ItX/E6o9QYHv0si9gizS/OA+I2  
/9tQ3S87r+A979hzfe1dEvTtPfQ4WPQ1rzsewfnKz21PXTY6T/NFHvVgiW2q/PIt4Y2HB9TETNRY  
nyRydK5KJ/ZjjyRlj80ArbEtnfZ83vV3Sheu+vZwX+dyL7j9R9F37ySWWRI3+LSB1fdS8vckEXMB  
fc6E/yBRZhrmr/iLnX6rp7biE/bIOrqkG/m8MUJfb/fUjeWa3yGcn3NoD85XH/pRMvpJ5PnCnfSo  
PyWqf1iDB20PXv0v3yT710bxJ5BuZb1Cf/s08z2uD/wY8z1x29XEb/DU1PTJ79PL/p/yNA7ZuiiB  
T2mRwzY7xHbWg2mWq3vwXSzF100q9mHPD3JrJ3K4q/Gwkf1P2L80E/jWqZga7zIeR40Uh9sJHcy  
kghJzx8ytQwQDgQ0JAgAAEGEBg0iZFjwYMOFDiIOVPhQokWBESdqzPgQY00QIUW0JFnS5EmUKVWu  
7MiS5ESXMWx0pFnT5s2ZGz1+TMjTIUqYPy8yhBlUo0WjPnEuZdrUKVC10aM+pVrV6tWn01teVEgr  
48egI4t6rUj0K9idXntiZdvWldSmYd/OpVsXq9ahavVmXHtybN6tewFvxSvY7mHES+XSXJzY8WPI  
IQsXHowWLSXAgzVPRmo58mfQ/i+nxmwc2vTpthXRdu2oWmdZsa4Xwqat2iFrskVto+YduTTP0b2F  
Dyde3Pjxu8FZ/kbe3Plz6NGJM1+uXPp17Nm1b7dJfaV37uHFjyd/HXzK8+XVr2ffHnF6v9bdz6df  
335N+Cbz3+ff3//9/UT7b0ACC/RPNgQTVDBAAxt08MHeFpRwQgggrtPBC8RjEcEM00xROQw9DFHHE  
ukAk8UQUU8TJRBVbdPFFAWGUcUYaq6vxRhXz7EHHnt0kUUfgxSSPiCHNPLID0VDckkmyuySSij  
H05JKau00jclr9RyS90o5PJLMKnyMkwyy2QsSzPTVFMxNnd0800b4ZRzzpvGRaTzzjLtxHNPkCfc  
jU9A3/QTtKALNfRQRBNvdFFGG3X0UugjtRA3SSuNk1JLM9V0U0479fRTUEMvdVRSSzX1VFRTRSkG  
AAA7

-----=\_NextPart\_000\_01BB7268.E6302220--

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Reginald Mackey Sr." <reggie@lightspeed.net>  
Subject: [981] comparism ohr-400 vs sierra  
Message-ID: <31EA644F.992@lightspeed.net>

has someone that has both, relay to me the comparism between the two?  
thanks in advance

--

Reggie  
reggie@bak2.lightspeed.net      e-mail  
k6xr@kc6kge.#cenca.ca.usa.noam      amateur radio  
805-833-3027      home

From owner-qrp-1@Lehigh.EDU   Mon Jul 15 23:13:15 1996  
From: "Bill Breare, WA2YMW" <wfb@liii.com>  
Subject: [984] Concord, NH  
Message-ID: <Pine.SUN.3.91.960715113135.10316A-100000@oak.liii.com>

I'll be visiting in Concord this coming weekend and would like to know if there are any Ham stores or activities going on in the area. Reply directly to wfb@liii.com since I'll be on the road a good bit of this week and don't know when I'll be able to pick up my digests. It's been said before, but bears repeating, this bunch is great!

72  
Bill Breare  
WA2YMW  
wfb@liii.com

From owner-qrp-1@Lehigh.EDU   Mon Jul 15 23:13:15 1996  
From: MRQUADROS@aol.com  
Subject: [989] CW--RTTY?  
Message-ID: <960715124450\_238055984@emout13.mail.aol.com>

Hi all:  
I have an ARGO 556 and was wondering if anyone has interfaced it with a BayPac BP-2M and a laptop? If so, what would be the proper connections for the interface? What software are most using? Any help would be appreciated...jq

ARS---KB6DLN  
NORCAL #1603  
John Quadros  
E-mail--mrquadros@aol.com

From owner-qrp-1@Lehigh.EDU   Mon Jul 15 23:13:15 1996  
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>  
Subject: [1008] Dan's Small Parts - meters



Message-ID: <D1D26F591F@manage.paccd.cc.ca.us>

About a week ago I commented that the 200 uA edge mount meter movements being sold by Dan's Small Parts were the same as those used in the St. Louis Tuner kitted by the NorCal QRP Club. This was true about one month ago, but the two I just received are NOT the same. His catalog sheet indicated that they were in limited quantities. It appears he ran out. The ones I just received have two scales (0 to 5 and an S-meter scale). The current units are not as high, do not have mounting flanges with holes, and have a light built in. To read the S-meter scale the light would have to be on. I have not tried taking one apart to see how easy it would be to insert my own scale.

My apology if anyone ordered expecting to get the earlier meter type.

73, Harvey, N6MM.

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: "Phil, AC6LS" <ac6ls@amsat.org>

Subject: [956] electronic parts info from Tandy

Message-ID: <31E9DF38.768C@amsat.org>

While browsing thru the local Radio Shack, I was looking at the specs for one of the DIP devices they have, and I spied a number for a FAXBACK. This is a number you can call and have them fax you the info you want at your own leisure.

here is the number: 1-800-323-6586 (24 hrs, 7 days)

here is a sample of whats avalible:

- National Parts Exploded Views
- Material Safety Data Sheets (MSDS)
- Computer Products
- Consumer Electronic Products
- Application Example
- Block Diagram
- Board Layout
- Features
- Pinouts
- system notes

hope this helps...

72 de Phil AC6LS

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Tony Fishpool <101573.3220@CompuServe.COM>  
Subject: [961] ERRATA latest Sprat  
Message-ID: <960715082755\_101573.3220\_IHK91-2@CompuServe.COM>

Hi Gang,

In response to my mailing about my "drop off" in my Sprat article "A simple Spectrum Wavemeter"  
in which I said that:-  
>Diode D3 should have been a 0A91 (or similar).

Larry W1HUE/7 asked:-  
>What is "similar" to an 0A91? What type of diode is it (Ge, zenier, etc.)?  
So I guess I should have said. I meant germanium, certainly the silicon diodes I tried didn't work  
I suspect that there may be others suitable for use in a detector circuits.  
Perhaps the "collective wisdom" of the list could suggest some. Anyhow, thanks Larry for taking an interest.

Regards  
Tony - G4WIF

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: PRUTH@alpha.CC.OBERLIN.EDU  
Subject: [969] Field strength synchronicity  
Message-ID: <01I73HJZGUQQ00KHCG@alpha.CC.OBERLIN.EDU>

I was thinking very hard and very clearly about getting and using a FSM asap to confirm maximum FS achieved by twiddling the knobs on the ASMU (that's a suggested acronym for what the ATU really is, an Antenna System Matching Unit), and have been mulling over maximizing FS for some time, then as soon as I resolve to go with FSM method this very same train of thought pops up on QRP-L! Great minds... 72 de Bill  
KB8USZ pruth@alpha.cc.oberlin.edu

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: wb2vuo@juno.com (William K Hibbert)  
Subject: [1004] FS: Kantronics KAM  
Message-ID: <19960715.151633.11127.1.wb2vuo@juno.com>

Greetings from the Depths of the Great Bergen Swamp...

I bought this in May, thinking to use it to send CW via the keyboard. The arthritis is cutting into my CW operating, and keyboarding seemed the way to go. HOWEVER... The CPU in the TNC can be heard ALL OVER 6 Meters. Works FB otherwise. If you are't running 6 Meters, and are looking for a multi-mode TNC at Such-A-Deal, \$140.00 will get this one shipped to you!

The TNC has Version 5.09 firmware, all the manuals and CAN be upgraded to a KAM+ (It's a pricey upgrade, but it can be done...) Does Packet (HF & VHF), AMTOR, RTTY, AMTEX/NAVTEX, WEFAX, ASCII and CW...

Drop me a line, or give me a ring at (716) 494-1239

73, Keith, WB2VUO,QRP-L # 582

wb2vuo@juno.com

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: dadams@stem.com  
Subject: [972] G frm F II II  
Message-ID: <9606158374.AA837438093@internet.stem.com>

Oops...hit send...halfway through...anyway...to top it all off...my wife arrives on FRIDAY (This is gonna be a long week...I can tell).

Anyway, hamming...I picked up two 27m kits...cw...left one as is and put the other on 28m...the kits are of the same cut as the 40-9er so it was no problem bending the 28m job (having seen a million or so messages regarding the same on this list).

Anyway, I wanted to get up high, so I took my little rigs (put in some neat enclosures) up to the Basillica (Big cathedral on top of a cliff...heck of a walk)...anyway, there is a park area next door and I showed the priest du jour my little cans and magnet wire and he agreed to let me string some wire along the trees for the day! I was set...unfortunately, whilst stringing the wire, I forgot to notice the stairs that I climb each and every day (well...4 days out of seven)...anyway, down I went head over tail...would have been fine except I stuck my foot out to stop the roll...big

mistake...but...lot's of drugs later the foot works fine and is merely agonizingly painful so it's okay...

On the other handm Jean (a friend) has developed an interest in radio so I gave him my rigs (I have pictures) to listen to and showed him the local ham stores so that he could get some study guides and meet people...go figure...

73 de dave, f/n9uxu (Still having not transmitted a thing in France).

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Dennis Marandos <k1lgq@dennis.mv.com>  
Subject: [1006] Gentle Reminder--Summer Ice Cream Social at Kimball's  
Message-ID: <199607152010.QAA03049@bort.mv.net>

THIS IS A GENTLE REMINDER THAT THIS WEDNESDAY IS THE ICE CREAM MEETING AT KIMBALL'S. MAKE YOUR PLANS TO BE THERE AND SAY HELLO.  
If you can get there...you're invited. Pass the word to anyone who has a ar to drive to Westford, MA! You're all invited.... (You buy your own.)

ICE CREAM AT KIMBALL'S FARM IN Westford, MA. at 7 PM July 24 (Wednesday).

Okay all you New England QRPers, this is your chance to get together And meet the clan. Have an Eye-ball QSO where you can shoot the breeze, and enjoy a genuine Gab-session, kibitz QRP and more.

There is no called agenda but to meet and have fun. It will be up to you what you want to buy, and Kimball's has over two hundred parking spaces so the ice cream must be good. Let's meet in front, somewhere, and gather for a bit of summer camaraderie.

Mark your calendar now and bring the little tikes, pack momma in the car and bring your in-laws for a quick trip to Kimball's. You'll be amongst the New England QRP hard-hitters and ice cream lovers you have always wanted to speak with and now here's your chance.

See you there. Use the following directions to meet the wizards of New England.

Directions to Kimball Farm

Kimball Farm  
400 Littleton Rd.  
Westford, MA

508.486.3891

Take I-495 to Exit 31

(Great Rd., State Route 119, Littleton Common)

\* This exit is well marked as the way to Nashoba Valley Ski Area

Take Exit 31 onto Rte 119 eastbound

If coming from the north: left at the top of the exit ramp

If coming from the south: right at the top of the exit ramp

Continue easterly on Rte 119 to Rte 110 northbound

A short distance to a set of traffic lights, stay in left turn lane)

Turn left onto Rte 110 northbound

Follow Rte 110 north for .8 miles to Kimball Farm on the right

There is parking in lots on both sides of the street

72/73

Dennis Marandos - K1LGQ

New England QRP Club

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: John Mckee <jmckee@rfmd.com>

Subject: [965] GM30 vfo instability

Message-ID: <199607151221.IAA120615@nss2.CC.Lehigh.EDU>

Gang,

I just finished my GM30 and eureka, it works, almost. The vfo has a sporadic jittery instability that I can't pin down, yet. Solder connections are good. Parts are all in the right place.

I did not connect the RIT feature and I wonder if this part of the circuit might have something to do with the problem.

Have any GM30 builders out there ever run across a problem like this?

Tnx es 73

John WB40FT  
jmckee@rfmd.com

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Steve Miller <kg7pv@teleport.com>  
Subject: [975] GM30 vfo instability  
Message-ID: <1.5.4.32.19960715135908.006705f4@mail.teleport.com>

On: Mon, 15 Jul 1996 09:18:00 -0400  
You wrote:

>Gang,  
>  
>I just finished my GM30 and eureka, it works, almost. The vfo has  
>a sporadic jittery instability that I can't pin down, yet. Solder  
>connections  
>are good. Parts are all in the right place.  
>  
>I did not connect the RIT feature and I wonder if this part of the  
>circuit might  
>have something to do with the problem.  
>  
>Have any GM30 builders out there ever run across a problem like this?  
>  
>Tnx es 73  
>  
>John WB40FT  
>jmckee@rfmd.com  
>  
I have not built the rig but have experienced a similar problem with a vfo  
inductor with improperly stripped leads. I'd check there first and then  
recheck the solder joints - even to the point of giving them all a quick  
re-heat with the iron. 73

Steve Miller (CN-85) Norcal #308 QRP-L #109  
Oak Hills Spirit II es dipole

KG7PV TMPS 1996 Qs=29 States=15 Confirmed=0 Dx=03  
AK CA CO KS NC MT NE NM PA SD TX UT VA WV WY JW OZ VE7

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: dadams@stem.com  
Subject: [973] Greetings from France II  
Message-ID: <9606158374.AA837438090@internet.stem.com>

Bonjour! Ca va?

Well, thought I'd drop a note to the list to say Hi. I have to admit I haven't done much hamming since I have been here (actually my one hamming trip landed me in the hospital...more on that later).

Anyway, it is a beautiful summer here in Lyon and the timing for this work trip has been perfect:

- I arrived one day before the G7 started. Much pagentry and politics...very interesting week...saw the prez even...
- The 29th of June is a National Music Festival in France and I saw an outdoor concert unlike anything you could do in the states without many lawsuits...they were setting up the light show for over a week...I hope the pictures come out...
- The New York Cafe (REAL pizza/ribs/chicken/long island ice teas...it has been a godsend...you can only eat so much french food before homesickness sets in...whenever it gets too much I can head down the road for a deep dish!)...hmmm...long paranthetical...anyway, the NY Cafe had a lovely 4th of July party for us Americans...
- There is a two week Jazz festival going on in Vienne (20 minutes from here...went on Saturday...ah to hear the music...lots of street musicians eager to let a wayward sax player join the jam (I had to run and buy my own reeds though...I've never been much for sucking someone elses bamboo...yuck....)...Wonderful!
- Yesterday (July 14) was Bastille day...I'm pretty sure that that was more fireworks than I have seen in my life combined

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: n7mfb@juno.com (Bill Todd)  
Subject: [960] HB Sprint & 10 meters (NOT)  
Message-ID: <19960715.000937.7215.0.n7mfb@juno.com>

It was an interesting experience...My goal was to stick with 10 meters no matter what. I had a nifty 4 element Yagi and my QRP + ready to work the world. I monitored a couple of 5 watt beacon stations in CA and CO and thought I would strike it rich!

I started on 10 meters at the start of the contest (es called CQ for a half an hour with no reply). Soon my resolve to stick with 10 no matter the cost melted and I moved to 20 meters and snagged;  
W0YSI, K0FRP (like everyone else....) and KG0PP

Went back to ol' 10 meters called CQ for yet another half an hour and actually worked a station! (i.e., K6EHA). Nothing happened after calling CQ on 10 meters (yet again) so I moved back to 20 and worked W00Q, W5FIO and AA7NT.

I felt guilty about leaving 10 meters so I went back and had my first 10 meter ARCI member (KQ6AG)...gollygewhiz! Well I thought I had landed in "Hog Heaven" so I stayed there and called CQ for two and a half hours!!! Nada...

The last 20 minutes of the contest I QSYed back to 20 meters and then to 40 meters a beaten man.

Isn't it funny how determination doesn't necessarily result in success? Oh well, maybe when the solar cycle is back up we'll have more activity on 10 meters.

CUL, Bill - N7MFB

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>  
Subject: [1007] HB Sprint washout (long)  
Message-ID: <D17C9819F4@manage.paccd.cc.ca.us>

I enjoyed the QRP to the field last April, so I thought I would go to the field for the QRP ARCI Homebrew Sprint ... I picked Nevada since



there was a geographical multiplier. I left at 4:00 a.m. and arrived at the Mountain Springs Summit on hwy 160 about 9:00 a.m. I spent some time looking for a suitable location, and by 9:30 a.m. found a location on the graded dirt road to Mt. Potos. By 10:30 a.m. (1730 UTC) the antennas consisting of the 40m dipole at 30 feet and an elevated 20m vertical with 8 radials were in place.

Weather was comfortable as there was shade from a cumulus cloud overhead. The stakes drove nicely since the ground was damp from a recent rainfall. The plants were a lush green. I worked Richard, KI6SN, in Riverside, CA and Dale, N6DW, in Concord, CA on 40m, and then proceeded to put up the 30m dipole for some TMPS after the Sprint.

By 1930Z that cumulus cloud had developed into a nimbostratus, i.e. rain bearing. The rain started and the hail came. I threw a jacket over the rig and card table. The lightning started, I disconnected the antennas before the lightning got close to my knoll, and drove down on the side of the knoll but staying well above the graded road which as expected turned into a small river. The cloud had a few cousins that also came over the mountain and got into the act that lasted three hours with driving rain and hail. The heavy rain and lightning abated with one hour left in the contest.

The friendly county fire type guy who came by before the rains came back and told me that the road washed out. No big surprise. It looked like I would spend the night sleeping in a moving quilt, although a grader had been requested. He had trouble getting up in his four wheel drive. Later two peace officers came up in a four wheel drive and said it was unlikely the grader would make it this evening. Later another peace officer came by to also tell me the road was washed out. He was more optimistic about the grader coming before the end of the day.

By 7:30 p.m. I had everything packed and armed with a shovel and planks of wood I ventured down the road to determine the condition of the road. Half way down I met the grader coming up, which certainly made the rest of the way much easier. I arrived home in the Pasadena area at 12:30 a.m. To those that did not get a Nevada multiplier or Nevada for their TMPS my apology. I tried but mother nature had other plans.

I did get about one hour of operating in during the HB Sprint, but even it was intermittent due to residual rain static. I set up the station in the small camper shell on my pickup after the wind down drafts dumped the radios on the ground. After the fall and soaking the OHR-400 continued to work as did the newly constructed CMOS-III keyer. No need to resort to the backup Sierra. I had to dry out

the Vibroplex paddle a little to keep it from shorting the key line, but fortunately I had put it in a plastic bag in anticipation of that problem. The J-38 key also was shorted from the water. I wondered for a moment about that ... how GIs in WWII used them in rain soaked fox holes, but then I realized they had low impedance cathode key lines so no problem.

Only about 10 or 12 stations were worked on 20m. (Sorry, log not with me.) Highpoints were working my Ala Mater club station, W6YRA, at UCLA and best "DX" was W3TS who I could not work on 40m in the last QRP contest. Apologies to those whose QSO was suddenly aborted by the rain static.

Now, when is the next QRP contest and where shall I go? Next time I'll take a sleeping bag and some rain gear ... getting soaked ain't that much fun!

73, Harvey, N6MM

TMPS 96: QSOs=209, WAS=46, DXCC=034 OHR 400, dipole or delta loop  
States: HI AK OR WA NY CO SD CT WY CA KS LA OH GA PA MD AL NM FL OK  
AZ WI KY TX ID NV IL IN WV TN MI NE MN NC NJ UT VA MA MS ND MT SC  
NH MO IA ME  
States needed: VT RI DE and AR  
DXCC: C2 JW KH6 JA KL7 A3 W 5W VE PJ2 T30 VK9N ZL FK8 OH OA VK FG LU  
C6A XE LA ZF 5N CO CY0 PY V7 HC V6 T32 KC6 P4 TI

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Robert J. Gobrick" <rgobrick@nflld.com>  
Subject: [1021] Help with "Reverse Desert Storm Static Blow-out"  
Message-ID: <2.2.32.19960715235050.00ab4694@public.compuser.net>

QRP-L Gang,

I need a bit of advice - can some one let me know if they have seen any articles or books on the subject of rain static discharge.

While I was getting ready for the QRP ARCI HB Sprint last night I was tuning my Oak Hills Research OHR-400 into my MFJ-949E Tuner, MFJ-931 Artificial Ground counterpoise tuner and my 150 foot long wire. What was unusual was that a big rain storm was passing by while this was going on. The first signs or "activity" was the click-click-click noise coming out of my tuner - no doubt the static discharge arcing across my tuner capacitor plates. Yea I should know better but a contest was ABOUT to start and I had no time to think about Mother Nature. BIG MISTAKE - NEVER mess with Mother Nature... Anyway it only took a couple of clicks and I went from 5 watts to 500 mwatts

and I believe (haven't taken covers of the OHR-400 yet) that the 2SC2075 rf final transistor founds it's day of rest and the magic smoke left it's body - sigh....

I had a similar "happening" like this once before where the front end of my QRP+ got wiped out in a similar way - rain. I know in the great television series "Desert Storm at Dinner" many solid state front ends in those high tech military radios were wiped out by the dry static build-up and they had to switch to Collins tube rigs for relief. But how and why does this happen with rain. Do those little (big) water droplets pick up a big positive charge on that pure rain water molecule? And why at the beginning of a rain - dry wire and then wet wire? And why me - I try to do the right things (well I don't have a "real" ground at my shack - just those counterpoise wires running underneath the carpets.

I think we all realize as QRP builders that we don't always have some of the bullet proof front (and tail) ends that the big commercial rigs have and there just might be a chance that THIS can happen to you...

I need something to read or I need some one to steer me to "static free Nirvana".

73/72 Bob VO1DRB/WA6ERB

PS: And one last related "static" item - I have noticed that when I operate 2 meters in my VW Van and while cruising the highways that the top roof mounted Larsen's 5/8 wave whip will "accumulate" a static build up that eventually just about mutes my IC-27 with QRN. If I reach out (not while driving) and "discharge" the whip to the metal roof life becomes "good" again. Now is this the Desert Storm static noise they talk about?

```
-----
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP'er Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@nfld.com |
|                bgobrick@nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
```

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Phil, AC6LS" <ac6ls@amsat.org>  
Subject: [957] help, need the KANGA rep (USA)  
Message-ID: <31E9E214.7CAF@amsat.org>

Lost the contact for the source for the following book

Test Equipment for the Radio Amateur.

I do believe it was the US rep for KANGA, If this is so,

I want the book, need contact info.

tnks, 72 de Phil AC6LS

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: SMohan@tele-tv.com (Sam Mohan)  
Subject: [983] How to use SuperMorse as a keyer  
Message-ID: <1EA66E70.1755@tele-tv.com>

Hello everybody!

I want to use the keyer option on the SuperMorse software from my PC to drive my QRP rig. While there is some documentation of the hardware details, there is none of how to set up the SM's options to drive the serial port. I connected a RS232 cable to the com2 port and tried to detect any change in signal level in the pins when I keyed chars from the keyboard. I did not notice any change at all! Can somebody in the list who is familiar with it let me know the secret?

Tnx.

72 Sam  
N3UTM

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Reginald Mackey Sr." <reggie@lightspeed.net>  
Subject: [954] hw-7 for sale or trade  
Message-ID: <31E9DD5E.466F@lightspeed.net>

i have a hw-7 (heathkit) that is in need of work. i have the manual as well. anyone interested to purchase or trade something for it.. let me know...

--

Reggie  
reggie@bak2.lightspeed.net e-mail  
k6xr@kc6kge.#cenca.ca.usa.noam amateur radio  
805-833-3027 home

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: WJ4PRandy@aol.com  
Subject: [1010] hw-7 mods: part 1  
Message-ID: <960715165255\_360250864@emout19.mail.aol.com>

I own one of those "Heathkit Green Swiss Cheeses" - its been that way from Day One to add a RIT and an audio filter and to put a three pin regulator on the vfo supply line. Since it will never be a candidate for anyone's "classic" shelf, I decided it would be a shame to just let it rot. Besides, I needed another rainy day project since completing my sons' R/C model airplane.

The first thing I did was install an NE602 in place of the mosfet detector. The AM sensitivity seems to be gone when the preselector is peaked. To add the NE602 I found a place on the circuit board very near the mosfet that was a large area of ground plane. I drilled holes for an eight pin socket and countersunk the holes on the foil side to get more clearance for the IC leads. I used info from the QRP data handbook for the circuit details. This "operation" took about an hour total.

I plan to add break-in keying (no relay) and an RF attenuator control. If things look really good I may add a keyer and modify the power out meter to use the toroid pickup and S meter on receive. Hey! I'm having fun!

The audio level is still about the same. The next step is to build an audio filter using an LM3900 and use an LM386 for the audio output. I'll let you know how it goes...

73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Phil Sikes" <psikes@whidbey.net>  
Subject: [959] IOTA Contest  
Message-ID: <199607150652.XAA28350@islander.whidbey.net>

Hello again, forgot to mention this in the last post. If any of you are also Island Chasers (IOTA), I am located on NA-065, Whidbey Island, WA. I will be active during the IOTA contest and will listen for all /QRP and weak signals. I will be mostly on 20 and 40M using both CW and SSB. See you on the bands.

72 - Phil

Amateur Radio Station  
KJ7NS  
ARCI 9196:NWQRP 412:QRP-L 528  
email: psikes@whidbey.net

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [1000] Knightlite noise and the Next Step  
Message-ID: <199607151824.0AA11540@alaska.magpage.com>

Hello KnightLiters and the Gang,

I finally met my match. Mr. Atmosphere was cooking up thunderstorm QRN levels that sustained 20 over the S9 mark for hours and often pegged the FT-101ZD meter. If you missed Del-NJ at last night's KL-80 Meter net, it wasn't due to lack of interest.

And the FT-101ZD...where did that come from? Those of you remembering my new HF rig comparison tests and extensive use of the MFJ-90 series radios might be curious. Radios are often like cars. Each has its own niche in the world of ergonomics and performance. The static levels last night called for the best noise blanker in the shack and the ol' ZD has one of the best. And it is not a synthesized rig which means those gigantic spikes aren't also broadened down the IF by the physics of it all. Most of you know this, but the point is geared more toward the future. Everyone who has ever A-B'd an FT-990 against an MFJ-90 series radio or (ref. others' qrp-1 comments of the past) the newer NorCal offerings knows that the Minimum Decerable Signal characteristics of our little rigs are often better. What would be helpful in the Next generation of QRP rigs is a Noise Blanker that works and meets the overall criteria of size, simplicity and cost. Wouldn't it be great if the new Ten-Tec T-kit had one.

The backpacker and northern New Englander (I was one) won't often need the N/B but the rest of us operating in the neighborhood/RV park/lower states would find it useful. N6MM won't always be 3 dB above the noise level in the East, and those Xmas blinking lights are just 5 months away. With the magic of sensitivity, SLT's, and KC-2's already in hand, how far off can the band-descrete Noise Blanker be?

Here's hopping the '40-NB or -9030NB will be out by thanksgiving, 72 Jim  
K3QIO Delaware

----Thinking out loud via the keyboard----

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: RJD <rad@imperium.net>  
Subject: [964] MFJ-9020 for sale  
Message-ID: <31EA39C6.3C5C@imperium.net>

Hello. I have an MFJ-9020 I'd like to sell. Bought it mid-june, and would like to upgrade to an OHR-400.

Unit is cosmetically and electrically perfect, and the little rig works very very well. I'd put its receiver on a par with the Sierra, and it even has a little more bandspread!. TX is 4-5 watts out.

Have original box and manuals etc. Paid \$169.00 plus tax for it, and would like to sell for \$140.00 or B0, and I'll pay shipping. If you have an OHR-400, maybe we can work a trade + cash?

I'm going on vacation this Friday, so if I don't answer you until late July, that's why.

73 and 72s  
Bob Dianetti, WB2JGH

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: KFGlynn@aol.com  
Subject: [978] Need Autek's phone number  
Message-ID: <960715111930\_359902551@emout14.mail.aol.com>

Hi gang,

Does anyone have Autek's phone number handy? I'd like to call them re: returning my RF-1, and don't have the manual sheet with me.

Thanks for the help.

73 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [987] No truth to posting on 73 mag!  
Message-ID: <n1374692902.34602@msmailgw1.arlut.utexas.edu>

NO NO NO. The rumor mongers at W5YI have done it again this year, for they have no love lost between them and any other ham group----look at their attempt to do in W1AW last year, and another false report on Wayne Green!

They do not tell you the whole story. The only part of Wayne Green business that is in bankruptcy is the defunct CD businesses, under WGE. The magazine is a different business entity.

"73" Magazine was sold to Mrs. Green to separate it from the other claims over a year ago. Look at the masthead once in awhile. W5YI should be ashamed of himself. We don't need businesses like his in amateur radio! We don't need false Inet reports like this doing in one of the few magazines actively supporting simle build it yourself projects, especially with the reported "Hambrew" situation. Give a "73" sub to a young ham to get them interested in building. I am not connected to them, but they are one of the few who are out there for the home constructor who is not into software solutions, or custom programming of projects. Some of their pieces are not polished, but they have kept plugging away. They support a QRP column, as well as authors from QRP-L.

-Stuart

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "E. E. Weal" <edweal@netcom.com>  
Subject: [1017] OHR  
Message-ID: <Pine.3.89.9607151706.A23342-01000000@netcom4>

Hi Group,  
Does OHR have an E-mail address? Or does someone on the list know what the color of their panel's are? I want to paint my SL tuner to match my OHR-400 if possible. Thanks for any help.

73's  
Ed, K6QLH

edweal@netcom.com

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Reginald Mackey Sr." <reggie@lightspeed.net>  
Subject: [996] ohr-400 info address??  
Message-ID: <31EA8045.223@lightspeed.net>

looking for address/ phone number/ internet site for info on the ohr-400  
rig  
thanks in advance

--



Reggie  
reggie@bak2.lightspeed.net      e-mail  
k6xr@kc6kge.#cenca.ca.usa.noam      amateur radio  
805-833-3027      home

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: ljones@why.net (ljones)  
Subject: [1009] Paper cutter as pcb shear  
Message-ID: <19960715204555646.AAA219@23.liv1.dal.why.net>

Greetings Gang...

In Mike's posting about using extreme caution in using a paper cutter as a pcb shear, I whole heartily agree. That is why I suggested that you drill some one inch holes for c-clamp holddowns. It is the same with any tool that has a good potential to cause bodily harm. ALWAYS, ALWAYS use some kind of mechanical holddown to hold the material you are working on. Your hands ain't no match for metal. Off my soap box.

Hey Mike, you have got to get a shorter email address!! HI

72/73

dee-it    dee-it

---

|                       |        |              |             |        |      |
|-----------------------|--------|--------------|-------------|--------|------|
| Larry Jones N50SG <>< | NORTEX | QRP-ARCI     | G-QRP       | MI-QRP | CQC  |
| 4028 Random Circle    | NorCal | NE-QRP       | QRP-L       | ARRL   | NTMS |
| Garland Tx 75043-3250 | EM12QU | 96.62 W LONG | 32.87 N LAT |        |      |

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: us029806@interramp.com (Joe LeKostaj)  
Subject: [977] PCB shear  
Message-ID: <v01520d00ae101ced58d8@[38.13.121.25]>

I've found that Wiss shears (like for cutting sheet metal) work pretty well on printed circuit board material as well. It sometimes warps the material a little bit, but you can flex the board back into being flat after cutting.

I bought the shears for \$10 at a hardware/surplus store and think it was money well spent. Much cheaper than the Kepro shear, and less effort than

using a hacksaw. You can also cut to exact dimensions pretty accurately with them.

As with all tools, always know where your fingers are when using the shears. Keep fingers away from the cutting path.

73,  
Joe - WB9G0J  
near Chicago

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: k7yha@juno.com (richard h. arland)  
Subject: [1030] QRP Quarterly  
Message-ID: <19960716.035024.4559.3.k7yha@juno.com>

Gang:  
Anybody got their Summer QRP Quarterly ? KA3WTF (who lives 2 miles away) has had his for about a week or more. Anyone else?

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [1012] QRP Survey # 1  
Message-ID: <Pine.BSI.3.93.960715165630.21623C-100000@u1.abs.net>

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [837] QRP Survey Number 1  
Message-ID: <199607121946.TAA23481@chuck.dallas.sgi.com>

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: RobCap@aol.com  
Subject: [1031] Question on my St. Louis Tuner  
Message-ID: <960715234154\_360837940@emout09.mail.aol.com>

Hi Fellas-

Have one question on my St. Louis Tuner. I cannot figure out where to attach the inside wire attached to Lug A on Switch 2. This is the one in which the User's Guide says on Page 7:

"Now comes the fun part. We will install L1 on the back of Switch 2. But first we have to attach a #18 tinned bus wire. Cut a piece that is 8" long. Bend a 90 degree bend on one end with about 1" stick out.....Run the wire out between the two solder tabs so that the wire will go around the toroid when it is attached."

Question: where does the other end go? Cannot find a clue in either the text of documentation, or on the schematic.

When replying, I do not monitor QRP-L, so please reply directly to Robcap@aol.com

Also, if there was a general errata sheet that is on line, would very much appreciate a forwarded copy.

Thanks, & 73,

Rob, WA3ULH

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Steve Slavsky <sslavsky@CapAccess.org>  
Subject: [991] R/S 1 Watt Audio Amps  
Message-ID: <Pine.SUN.3.91-FP.960715130237.25730A-100000@cap1.capaccess.org>

Several weeks ago there was some discussion on the list about the price and availability of very small Radio Shack 1 watt audio amplifier kits, which would go very well with some of our small projects. At the time they were on clearance for \$4.95. I was just at a R/S in Northern VA and they had a few at the new clearance price of \$3.95. I don't know how many are still floating around, but for that price you can't go wrong. I picked up 2 for "future needs."

Normal disclaimer - I am not now, nor have I ever been, etc., etc.

73 & 72,

Steve, N4EUK

Reston, VA

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Philip Karras <ke3fl@access.digex.net>  
Subject: [974] R/S DSP  
Message-ID: <Pine.SUN.3.94.960715094230.12692C-1000000@access1.digex.net>

Is there anyone out there willing to pick up one of the R/S DSP units on closeout sale for me? I've checked in my area and they don't have any here. Thanks,

72 & 73 de KE3FL/Phil  
:-)

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Reginald Mackey Sr." <reggie@lightspeed.net>  
Subject: [995] ramsey cw-700 sale  
Message-ID: <31EA7F09.36D6@lightspeed.net>

for sale ramsey cw-700 iambic touch paddle keyer with memory, built and works well....i just dont like "type a" keying". it cant be changed to type "b" keying. the keying characteristics are not for me! offered for 27.50 ups. or trade for something? qrp tuner? ??

--

Reggie  
reggie@bak2.lightspeed.net e-mail  
k6xr@kc6kge.#cenca.ca.usa.noam amateur radio  
805-833-3027 home

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: jbartac@max.state.ia.us (jbartac)  
Subject: [1013] Roller Inductor in Tuner  
Message-ID: <31EAD622.4FE4@max.state.ia.us>

I am having some difficulty with a big ol' Murch KW tuner that I use to keep losses low. It has a roller inductor on which I stupidly oiled the pivots on the ends where it spins to make it turn easier. DUMB!

Now I am seeing my received sig sort of go soft just like QSB does to us, and if I hit the key for a dit, the sig comes right back about 20 or 30 db stronger! I noticed it the most with my Paragon with QRP mod when I was operating Amtor. I lost the other station, and tuned around the band which was real quiet, and I discovered that hitting the key brought back the sigs instantly. Apparently the RF cuts a new path thru the oil so I can receive again for a few moments.

At first I thought perhaps it was a problem with my Paragon's relay making poor contact on receive, but I switched tuners to a lil QRP tee tuner with a coil made of #20 bell wire wound on PVC tubing. The coil taps are selected with an alligator clip on a wire, and I see none of the quiet-and-then-LOUD sigs now.

How do I get the gunk out of the pivots (1 is ground & the other goes to the 2 caps in the TEE circuit)? Do I use Chloro-fluorocarbon spray cans? Or must I try to disassemble the blinkin' coil?

Thanks!  
72,  
Jerry KD0CA

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: bhopkins@polarnet.com (Bruce Hopkins - KL7JAF)  
Subject: [1029] RS - DSP  
Message-ID: <v01540b00ae10b265591b@[204.119.24.86]>

Hi Gang...

After following all the posts on the Radio Shack DSP unit I decided that it would be worth the price to get one if for only the amp speaker & case...

My problem is that our Radio Shack stores here in the Frozen North are affiliate stores and thus don't carry all items... One item they have never stocked is the DSP unit...

Is there a kind soul here on the group that would be willing to purchase one for me and ship it at my expense up here to Fairbanks ??? I would be happy to cover all expenses and could probably even convince my wife to make up one of her special Alaskan Care Packages that she likes to put together for her DX friends...

Thanks in advance... Bruce - KL7JAF

72/73/oo's - Bruce \* KL7JAF

QRP-L #380      QRP-ARCI #9061      G-QRP #9181      Norcal #1543      ARS #14  
ISSB #14548      TFO #359      McPig #003      AK-QRP #1

E-Mail: bhopkins@polarnet.com

Web Page: <http://www2.polarnet.com/~bhopkins>

KL7JAF    TMPS 1996    Qs=026    States=07    Confirmed=00    DX=12  
States - HI CA TN WA KS AK OR  
DXCC - R1F KH6 WA6 KL7 ZL1 VE7 JR7/7 UA0 VK5 V73 VY1

"Every Man should learn to play the Flute,  
but not well..."

From owner-qrp-l@Lehigh.EDU    Mon Jul 15 23:13:15 1996  
From: lscheele@sprynet.com  
Subject: [1026] RS/DSP  
Message-ID: <199607160201.TAA13033@m4.sprynet.com>

Bought a Radio Shack DSP 40 (21-543) today for \$29.97 from local Fort Collins CO store (shipped in from Wyoming). Claim two more remaining in their district.

73

Lonnie

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: RJD <rad@imperium.net>

Subject: [962] Sierra for Sale

Message-ID: <31EA3593.39FC@imperium.net>

Hello. I have too much gear in the shack, and would like to buy or build an OHR-400. So, I must sell some to buy some more, says the boss (XYL).

So - I'm selling my Norcal Sierra. I didn't build it, but it was built very professionally by a frequent contributor to this list. It has a 40 meter band module and unbuilt KC-1 keyer. Front panel is unpainted, so you can modify it to its heart's content. Unit is otherwise cosmetically perfect.

I have the manuals et al, and would like to sell it and the KC-1 for \$210.00, and I'll pay shipping.

Alternatively, if anyone has an OHR-400, maybe we can work some kind of trade + cash. I also have an MFJ-9020 we might be able to work into the deal somehow.

72

Bob Dianetti, WB2JGH

P.S. I'm going on vacation soon (this Friday), so if I don't answer your e-mail until late July, that's why.

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: ae4ic@nr.infi.net (BOB KELLOGG)

Subject: [1003] Sprint and Big loop

Message-ID: <199607151917.PAA29237@mh004.infi.net>

Hi Gang,

My best intentions were to spend 4 fun hours with the ARCI Sprint yesterday.

\*But\*, I've been dreaming about this big loop antenna. Started it saturday, thinking I'd put up about 300' of wire in a horizontal loop

configuration, fed by 450 ohm line.

To make the long story short, it was a bigger job than I thought, in several ways. First, the sling shot worked too well. (Well, the neighbors tree limbs hanging over my property are technically mine, right?) I started pulling wire through the tree tops around the perimeter of my property, and ran out of wire. A quick trip to Home Depot for another 500' roll and I was in business. Finally put up 450' of wire at an average height of about 50'.

When I finished the project Sunday afternoon, I remembered the Sprint, but it was well underway. Had to adjust my tuner to the new antenna, so my first contact was at 2236 utc on 20M. Only made 4 others. I could hear lots of guys, but few working the contest. Worked Bill, K5ZTY, as usual, - contest would not be complete without him in the log. The bands seemed to be noisy. Finally, Joe, WB9EAO, was looking for a QSO when he answered my CQ at 2333 and I didn't have the heart to tell him I was trying to work a contest, so I just gave it up, and we had a nice chat.

The loop works, but I don't know how well, yet. Seems to be OK. Worked EA2DX later on 40m, and met the Knightlites Net on 80M.

L. B. predicted the loop would be OK, -- so far, so good!!

CUL,

Bob Kellogg, AE4IC  
Prolably, but not nececelery. - Benny Hill

AE4IC TMPS 1996 QS=41 States=9 Confirmed=3 DX=29  
KS,MD,MI,NH,NY,OH,PA,TN,TX  
3B,9A,DL,EI,F,G,GM,HA,LU,LZ,OK,ON,SH,SN,SP,TI,U,UA,UT,VA,XE,YO,YS,YT

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Phil Sikes" <psikes@whidbey.net>  
Subject: [958] Sprint report  
Message-ID: <199607150647.XAA28194@islander.whidbey.net>

Hi there everybody. I had a great time calling CQ during the sprint. That's about all I did though! Only heard 3 stations that could hear me back. Before the sprint I was on the phone with my brother down in Oklahoma land and thought we would check the propogation. Started at 5 watts, then 15, 25, 50, then he finally heard me with about 75 watts, but, at the same level as the noise. Had a blast anyway!! This was my first QRP event, due to working the swing shift, but not my last.



Thanks to K0FRP, WB5QMP and N7MFB for the contacts.

72 - Phil  
Amateur Radio Station  
KJ7NS  
ARCI 9196:NWQRP 412:QRP-L 528  
email: psikes@whidbey.net

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [992] SWR, Field Strength, etc.  
Message-ID: <2.2.16.19960715170536.3697055c@eloi>

>From a recent posting:

>

>So, with an inbuilt ATU, I cannot use a conventional SWR meter unless I  
>build it inside the txcvr. And there's not enough room for this. So I use  
>an external field strength meter (diode, RF choke, meter), built inside a  
>walkie-talkie case. I place this near the feedline, and tune the ATU for  
>maximum output.

>

What you really want to do is tune for maximum radiation from the antenna,  
NOT the feed line. putting the field strength meter near the feed line  
could, in some cases, give a misleading indication of maximum output  
(likewise for a lamp in series with the feed line). Best bet would be to  
mount a short whip antenna near the transmit antenna and feed it to the  
field strength meter via coax.

As for lack of room for an SWR meter within the rig, I have used a neat  
little circuit in several of my QRP rigs that drives two led's -- red one  
for reverse and green one for forward power. The circuit is pretty simple (a  
toroidal transformer, dual op-amp and a few resistors, etc.) and appeared in  
the (I believe) May 1995 QST (plus/minus one month... hi).

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Kelly <"kelman@dialnet.net"@dialnet.net>  
Subject: [1025] Ten Meters CW QRP REPORT  
Message-ID: <199607160137.UAA26461@shell.dialnet.net>

Hi All,

I am taking a break from operating CW on ten meters... I worked WA2UAX/QRP IN SC and then worked KE4QZB/QRP in NC. He was 16 year old running 1 watt into an dipole in the Attic with s6 signals! This was at approx 8:00PM CST. I am running Icom 751A at 5 watts with G5RV flat top at 45 feet. Have Fun!

Kelly - WB0WQS - Aurora, Missouri  
The Summit City of the Ozarks!

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [1005] Ten Tec T-kit 1202 Pwr-swr kit  
Message-ID: <n1374681055.45486@msmailgw1.arlut.utexas.edu>

Hello all,

I have this weekend completed the Ten tec QRP/QRO power meter kit.  
Here is my review of the process and kit.

It can do 160M to 6m on one bridge, and with another bridge built in can do 2M, and give at least relative indications on higher bands, ( the bridge for 2M is the printed / strip line circuit Monimatch design.)

First of all, it is well worth the \$49 price complete with STEEL case! That means it is sturdy, rugged, 1.6 pounds, and is both electrically and magnetically shielded in its case. There is a U shaped front, bottom and back panel. This sits in a U bottom, and a U shaped top piece goes over the top, and four screws, two to a side, complete the enclosure. The result is a recessed front panel, and a very sturdy double case arrangement.

All RF connectors are high quality Amphenol mica filled type UHF female; for both the HF pickup and the 2M side. Part of the reason for this is to take advantage of the solder cup on the backside of the type UHF chassis connector, which serves to anchor the 2M side to the strip line, and on the HF side, it makes a tie point at each connector, for a cap and for the center of the coax piece that forms the primary of the HF RF transformer. The secondary is 10 turns of enamel wire wound on two ferrite cores of differing frequency characteristic, but glued together, to even out the transformer response over frequency. (Neat idea!)

The printed circuit board is silk screened with component designations, but is not solder masked. Room to solder is adequate, but on my Ungar temperature controlled solder station, I started out with the standard 1/8 inch wide chisel tip, and wished I had chosen a more narrow tip, as I got to the final few connections that are made after the board is already soldered in vertical position to the four type UHF sockets on the back panel. A better iron for

this project would be the standard Antex one, or a heavy copper wire could have been added to my tip for the last two connections. There is just not the room that old Heath kit builders are accustomed to!

The components are first class, and no confusion is possible over color codes as long as you have a good strong light to work with, and I find a lighted magnifier helps as well, to clearly see the colors on modern small resistors. All caps are disk ceramic, and marked in the number and multiplier number manner. The back cover of the T kit manuals includes helpful component marking schemes, and soldering advice.

(My work lights include a Halogen lamp now, as I find the age of bifocals and half century eyes need a bit of help.)

Solder is not included in the kit; thus, my favorite Ersin multi-core could be used, and I found a couple sizes useful when going from dense on board component mounting to the heat sinking heavy conductor of the type UHF socket center solder cup.

The manual is very clear and even included extra explanation as an "errata page," to be added to the manual before construction, just in case the ample illustrations were not enough. The use of color in the illustrations makes these manuals rival or exceed the best of Heath.

There are two boards, a main board which includes the pick up lines, meter amplifier op amps for HF and VHF, and all components except for the pushbutton switches and calibration trim pots. These mount on another board, that along with a vertical metal shield, cleverly provides a clamping mount for the meter movement on the inside of the front panel. This vertical shield also submounts the toggle switches and the SET pot for the SWR function. The result is a clean front panel layout, and no nuts, screws or fasteners. The unit is better looking than the line drawing in the T-kit catalog! In fact, one of my few comments is that the T-kit catalog illustrations by line drawings does not do justice to their sharp looking kits! All have flat black finish, and are sturdy steel cases in the three kits I have so far. (6M Transverter, power meter, and 9 band Regen receiver).

The meter amplifiers are powered from either an internal 9 volt battery, (not supplied), or from a coaxial power jack on the back panel and your station power supply. Turned on, but not measuring RF, the battery drain was 800 micro amps. A standard transistor radio battery should last awhile. However, there is no led nor lamp to remind you to turn the internal battery off. The power switch is center off, and up is the external power, and down is the internal battery. This means you have to pay attention, although I guess there is no harm in using the external position as an off state that is harder to bump to 'on' than the center off position. My real complaint was that the hole for the coaxial external power jack had to be swiss pattern filed to fit the jack supplied. I think that a dull punch had made the hole in my chassis, and then painting the side of the hole had really made it tight. A set of

Radio Shack files was adequate for this task, and it only took a few extra minutes. (Shades of original Radio Shack kits, circa 1964!)

I did read the manual in toto first, as I added the errata supplementary comments. I must have been tired, and I did break up the construction because of back problems; but I estimate 7 hours construction, and would classify that as leisurely. Next kit, maybe I will play background music and see if I assemble it quicker, for this kit does not have all that many parts.

One thing that does take a bit of care and time are some connections that are soldered to ground planes on both sides of the main board. Again, a smaller tip would have helped with this. You do end up soldering some of these on top of the silk screening, but the main job of this silk screen is just to help stuff the components, thus it does not really matter. The op amps are soldered to the board, but the option is given of mounting them in sockets, (sockets not included). Both are 8 pin chips, thus soldering to board is easy. Another time consuming task is measuring and cutting various pieces of hook up wire, but it is stranded, pre tinned wire that really has a tight twist and is a pleasure to thread into even the smallest switch lugs. The most difficult measuring and cutting job is the coax, which is the teflon, 1/8 inch type, for the HF transformer. It has silver plated shield and center conductor, but is difficult to strip. They include enough for you to mess up one transformer primary. With a SHARP Xacto blade in place of wire strippers, (and great care), I find I do a better job stripping this type of coax; thus I did not use pliers to hold the center conductor insulation if one is using a conventional stripper, as they suggested. (Your mileage may vary.)

You need something smaller than the standard alignment tool blade to turn the cross screws of the TINY trimpots that are provided for calibration. There are four pots, in two groups, for HF and for VHF. One of each is for the 20 Watt scale, and the other is for the 200 Watt scale. The VHF 20 Watt trim was most critical; a jewelers screwdriver might be the thing to use here for any of them.

Initial testing would have gone faster had not the brand new never unwrapped 9 volt battery I had in the refrigerator been any good. Then, after the confusion factor of the 9 volt, I was getting no result with another one, when I discovered I had bumped the switch to VHF, while trying to calibrate with HF signals. Once that was corrected, the rest of the set up was straightforward. It helps to have access to other watt meter(s) that can be trusted for either frequency range, unless you have rigs with known outputs to use into the dummy load you furnish as the calibration standard. The SWR indications are numbered up to 3, and as most modern rigs will not work with higher SWR than that without foldback power limiting, they did not mark the meter higher, although there is scale above 3.

Granted, for exclusive QRP use, the 200 Watt scale and 20 Watt choices might

be too large, but it looks like you could make the 200 watt scale be the 20 watt, and the 20 be a 2 watt scale, the way the calibration pots are done. You might have to increase the amplification of the op amps to linearize the response. The stock sensitivity is "less than 1.5 watts". As constructed, there is no feedback resistor but this could be added to the circuit it would seem. Gotta have something to modify!!

If you need a power meter and SWR function that covers both VHF and HF, this kit certainly fills the bill at an attractive price. Its size complements the smaller QRP rigs on the market recently. You can hook RG 8 coax to it, and it will not end up on the floor, because it is heavy. Yet, it could be part of a backpacker's gear.

T kit offers a similarly boxed, \$49 RF counterpoise tuner kit, that probably could be turned into a companion QRP rig tuner to accompany this power meter on your travels. Who will be the first to post a conversion of that one?

72, Stuart  
K5KVH  
rohrer@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: wayne.barnhart@smug.org (Wayne Barnhart)  
Subject: [988] the front end  
Message-ID: <9607150832501944@smug.org>

I have been trying to understand how the split capacitance of a tank circuit works to resolve impedance problems. For instance, on the receiver front end the antenna input feeds into a split capacitance. A second tank circuit, capacitance coupled, feeds the NE602 via a split cap. How are the cap values determined? Find the cap of the tank and split it in half? Make the ratio of the reactances of each capacitance approximately equal to the ratio of the 2 impedances?

Many of my books, including the ARRL manual provide pictures but don't address the issues of determining actual values.

If I have a 50ohm antenna feeding a 200k ohm fet via a tank circuit how would I adjust the impedance mismatch?

Thanks

Wayne WB7WHI  
Spokane, Wa.

---

CMPQwk #1.4 UNREGISTERED EVALUATION COPY

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [997] USA QSL Buro Works!  
Message-ID: <31EAE467.7E2B@acsu.buffalo.edu>

Hi Gang,

The USA QSL Buro works great.

About 2 weeks ago I sent off about 140 QSL cards, both US and DX and guess what? I recieved a bunch of direct mailed cards today and the senders mentioned that they got my card "VIA BUR0".

So give them a shot. The price is right at \$0.05 / card.

You can get the info via email at 102452.2315@compuserve.com and is run by Bill, AA1MF.

-

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=128 WAS=28 Confirmed=10 DX=17  
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF  
Worked all Canada= VE1 V01 VA2 VC2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Mike Robinson <miker@cc.com>  
Subject: [1027] What is this?  
Message-ID: <9607160231.AA04520@voder.nsc.com>

I've heard this code numerous times but can't find a reference to it:

...-.

EF or IR or SN or VE

It is usually sent when picking up the qso.

What is it?

=====  
7.3 de Michael AA0UB            miker@cc.com            michael@frii.com  
                         http://www.frii.com/~michael  
                 QRP-L #126            Norcal #857            CQC #180  
=====

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: k3as@dol.net (Bill Marsh)  
Subject: [1016] Whats My Grid Square?  
Message-ID: <v01540b00ae108d9bd9d5@[204.183.91.99]>

I am located at Latitude 394348N Longitude 0754138W. Can anyone tell me my  
grid square? Thanks. 72 Bill, K3AS

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Phil, AC6LS" <ac6ls@amsat.org>  
Subject: [955] yet another source for parts  
Message-ID: <31E9DCDD.13F1@amsat.org>

Here is another place to shop for electronic parts and tools-n-stuff.  
They have a good assortment to choose from, AND they have several ways  
to get it. There is a huge catalog, which is available in paper or  
on CD-ROM (mac and windows), on line and via a toll-free bbs.

Allied Electronics, inc.

phone: 1-800-433-5700  
         1-916-632-3104

fax: 1-916-632-0609

bbs: 1-800-433-5003

internet: http://www.allied.avnet.com

Cant vouch for any prices, but if doesn't hurt to look.

Happy shopping, 72 de Phil AC6LS

ps. NO, I don't have any finacial intrest in the place.  
the catalog showed up at work, and I figured I'd pass  
along the info.

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: bkassel@enet.net (Brian Kassel)  
Subject: [1020] Re: B&W dipole antenna  
Message-ID: <199607160040.RAA04817@maple.enet.net>

Folks:

If anyone wants to build the T2FD antenna mentioned by Ray, just send me a SASE, and I will be glad to send you a copy of an article from the RSGB publication "Practical Wire Antennas" . It gives a nice description and building details on this uncommon antenna. It is somewhat shorter than a dipole that would be cut for the lowest frequency that it can handle, and according to the author, is realitively flat over a fairly large frequency spread. The article is is an updated version of the original article published in QST June 1949 by G.L. Countryman W3HH.

Brian D. Kassel W5VB0  
9200 West Hollywood Ave.  
Peoria, AZ 85345

At 12:28 PM 7/15/96 MDT, William R Colbert wrote:

>  
>  
>for Tim, N2BCF and Jim - W4Q0, The B&W dipoles that I have used  
>(90 ft version- model 375 or 3-30) were originally rated at 2 kw  
>but a few years ago after losing quite a few to RTTY transmissions,  
>they derated the balun and resistor circuit to 500 watts. The resistor  
>is approximately 900 ohms, the original design is from the old CQ/QST  
>articles in the late 1940's to early 1950's by Gil Countryman, called  
>the T2FD antenna. they work ok - in my case not as well as the rosette  
>of sloping V-Beams. Better than a short wire, but a dipole fed with  
>450 line and at moderate height with a flattop of 120 ft will out  
>perform it (and is much cheaper). Only advantage is a tuner is not  
>required. GL 72/73 Ray  
>  
>--



>Ray Colbert, W5XE/V31XE, El Paso, Tx

>

>

>

```
*****
*      Brian D. Kassel W5VBO      *
*      bkassel@enet.net          *
*      QRP-L #404, ARCI #3623, ARS #27.      *
*      QTH: Peoria, AZ- Now 99% Viper-free      *
*                                          *
*****
```

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: Dan Hogan <dhhogan@lightside.com>

Subject: [952] Re: bash? Old El?

Message-ID: <m0uff4t-0004KXC@covina.lightside.com>

There are Q&A Books, lists etc. for just about every U.S. Government license available. Those that I am familiar with are, A&P Mechanics, ALL Pilots Licenses up to Air Transport Pilot, All FCC licenses. Where the difference lies in some of them is the PRACTICAL test.

Dan Hogan (With the CSCE for General 7/13/96)

dhhogan@lightside.com

34d 03.9'N 117d 56.1'W

QRP-L #558

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: "Paul R. Valko" <prvalko@Oakland.edu>

Subject: [976] Re: bash? Old El?

Message-ID: <Pine.OSF.3.91.960715105635.16219A-1000000@saturn.acs.oakland.edu>

On Sun, 14 Jul 1996, richard h. arland wrote:

> The Bash Books were a collection of the ACTUAL FCC Amateur License  
> Questions and the CORRECT answers along with all the "detractors". A guy  
> by the name of Dick Bash (a KL7 if my memory serves me) published a set  
> of books that he guaranteed would get you past any FCC ham exam. He  
> charged a few bucks each for them.

Wow. There is some ancient history! Anyone else remember how HATED Dick



I've worked PA, MA, and KS.

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: N5EM@aol.com  
Subject: [999] Re: Build a rig in ten minutes!  
Message-ID: <960715141513\_238119878@emout18.mail.aol.com>

In a message dated 96-07-15 13:15:52 EDT, you write:

<<  
File: buildari.gif (6729 bytes)  
DL Time (TCP/IP): < 1 minute

Check out my web page for the Ten Minute TX! Let me know what is the shortest time taken to build the rig and have a QSO, will it be a W, VE, VK, G, DL to set a record?

I append a Gif file of the circuit for those who do not have a web browser.

Enjoy!

--

Frank G3YCC >>

Gang,

I know that sending files attached to an email message raises the ire of many. But things are getting better. A few months ago the above file would have come to me as one big mess. My new AOL software handled it perfectly and delivered a very nice, color .gif image of Frank's schematic and parts layout. I certainly don't want to start a week long thread, but just thought I'd let you know that the concept of a standard method of sending an image for schematics or drawings may be closer than we thought (and it would certainly be nice to never see an ASCII drawing again).

Ed, N5EM

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: JCoote@aol.com  
Subject: [1019] Re: Hanging ladder line  
Message-ID: <960715203017\_360511195@emout16.mail.aol.com>

In a message dated 96-07-14 19:58:15 EDT, kd0fx@worldnet.att.net (Mike Boice) writes:

>What's the best way to attach ladder line running down a wooden post? I  
>also have to run it under a patio roof, suspended from the beams. I've  
>heard/read that you should keep metallic objects away from ladder line, or  
>at least have both legs equally distant from the metal. I don't have any  
>metal to worry about, other than maybe using nails to hang the ladder line.  
>

>73,

>mike KD0FX

>Richland WA QRP-L #576

1. Try to find some of the old electrical wiring standoffs. These may still be seen in some hardware places. It's a two-piece insulator, cylindrical in shape which screws or nails down. It's original purpose was to secure old-fashioned "knob & tube" electrical wiring in attics, etc. The spacing is these is slotted for a close fit for the 450 ohm ladder line.

2. Go to a plastics shop and have some squares cut. The squares can be drilled as needed to accomodate the 450 ohm line, or to clamp it down.

Wooden, plastic or metal outriggers may be used with these or the ceramic standoffs to keep the line a few inches to a few feet from the tower.

3. Try ham stores for standoffs and mounts for ladder line.

Don't worry too much about being a few inches away from metal, what caused me more problems with balanced line was a loose piece moving on the roof or standing in rain water on the (flat) roof. These will detune the antenna so the tuner settings you wrote down will have changed.

73, Jay

WB6AAM

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: "Robert J. Gobrick" <rgobrick@nfld.com>

Subject: [1023] Re: HB Sprint CondX

Message-ID: <2.2.32.19960715235048.00ac3f48@public.compusult.nf.ca>

QRP-L Gang,

One good thing about working Steve N2MNN in the QRP ARCI Homebrew Sprint - he guaranteed that a nice certificate for a winning Newfoundland effort during the contest was as "good as in the mail" (Steve has connections with Cam - contest chairman and Steve sure makes a "mean" certificate of award).

Quick summary from Newfoundland:

20 meters, 5 watts , MFJ Super Hi-Q loop antenna on the apartment balcony,  
wx: rain and QRN crud

21 Q's; 11 QRP ARCI members; Germany, Portugal (CT4RL/QRP), Holland,  
Manitoba and New Brunswick (Canada of course) and as farrrrr west as K0FRP in  
Colorado (and W7CNL in Idaho just didn't have ears for me).

Almost homebrew - At 2000 UTC popped my final transistor in my OHR-400 while  
tuning up into my MFJ tuner that was popping away with rain static discharge  
- very bad news and will discuss on another post so had to switch to my  
readily available, and not so HB, Icom IC-706 with 250 Hz xtal filter. Only  
worked 20 - my long wire (the 150 foot one that does a GREAT job gathering  
rain static) showed 40 was the QRN QRN pits up North here.

Advice to QRP stations for next QRP contest - swing those 7 element 20 meter  
beams up to Atlantic Canada for an EASY QSO with Newfoundland :^)

Cheers 73/72 Bob V01DRB/WA6ERB

At 20:34 7/14/96 -0400, you wrote:  
>Worst QRN from thunderstorms in any QRP contest I've been in so far (since  
>1992). We were socked by Bertha during the whole contest in eastern NJ.  
>Contant lightning pulses seem to desensitize the rig (Sierra). Finally at  
>23:30 I got 2 contacts on 20 meters ID, and V01DRB in NFD.  
>  
>I'm all fired up - just wait until the next contest!  
>  
>72,  
>  
>Steve, N2MNN  
>  
>  
>

```
-----
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@nfld.com |
|                bgobrick@nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
```

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996

From: john andrews <jm165723@eee.org>  
Subject: [1024] Re: Help with "Reverse Desert Storm Static Blow-out"  
Message-ID: <31EAECFB.1F0@eee.org>

Robert J. Gobrick wrote:

>  
> QRP-L Gang,  
>  
> I need a bit of advice - can some one let me know if they have seen any  
> articles or books on the subject of rain static discharge.  
>  
> While I was getting ready for the QRP ARCI HB Sprint last night I was tuning  
> my Oak Hills Research OHR-400 into my MFJ-949E Tuner, MFJ-931 Artificial  
> Ground counterpoise tuner and my 150 foot long wire. What was unusual was  
> that a big rain storm was passing by while this was going on. The first  
> signs or "activity" was the click-click-click noise coming out of my tuner -  
> no doubt the static discharge arcing across my tuner capacitor plates. Yea  
> I should know better but a contest was ABOUT to start and I had no time to  
> think about Mother Nature. BIG MISTAKE - NEVER mess with Mother Nature...  
> Anyway it only took a couple of clicks and I went from 5 watts to 500 mwatts  
> and I believe (haven't taken covers of the OHR-400 yet) that the 2SC2075 rf  
> final transistor founds it's day of rest and the magic smoke left it's body  
> - sigh....  
>  
> I had a similar "happening" like this once before where the front end of my  
> QRP+ got wiped out in a similar way - rain. I know in the great television  
> series "Desert Storm at Dinner" many solid state front ends in those high  
> tech military radios were wiped out by the dry static build-up and they had  
> to switch to Collins tube rigs for relief. But how and why does this happen  
> with rain. Do those little (big) water droplets pick up a big positive  
> charge on that pure rain water molecule? And why at the beginning of a rain  
> - dry wire and then wet wire? And why me - I try to do the right things  
> (well I don't have a "real" ground at my shack - just those counterposie  
> wires running underneath the carpets.  
>  
> I think we all realize as QRP builders that we don't always have some of the  
> bullet proof front (and tail) ends that the big commercial rigs have and  
> there just might be a chance that THIS can happen to you...  
>  
> I need something to read or I need some one to steer me to "static free  
> Nirvana".  
>  
> 73/72 Bob V01DRB/WA6ERB  
>  
> PS: And one last related "static" item - I have noticed that when I operate  
> 2 meters in my VW Van and while cruising the highways that the top roof  
> mounted Larsen's 5/8 wave whip will "accumulate" a static build up that  
> eventually just about mutes my IC-27 with QRN. If I reach out (not while

```

> driving) and "discharge" the whip to the metal roof life becomes "good"
> again. Now is this the Desert Storm static noise they talk about?
>
> |-----|
> | Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
> | QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
> | Internet: rgobrick@nfld.com |
> | bgobrick@nlnet.nf.ca |
> | Compuserve: 70466.1405@compuserve.com |
> |-----|

```

Hi Bob:

Know just what you are talking about.

Keeping the antenna at dc potential seems to help(if possible).  
 Found a little "pill" at a surplus store that really helps with  
 the front end of receivers. It's a glass tube with 2 dome shaped  
 electrodes facing each other. 2 wires coming out of each end.  
 There is an inert gas inside the tube.(So I'm told)

A little more research and found a few in CATV rf boards. My local  
 CATV guy says it's a lightening protection capsule. Many of the cable  
 boards had hot fets in them and lightening is always a threat. You  
 might check with your local cable guy.

Seems better then the old stand-by....NE-2.

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
 From: Steve.Hideg.1@nd.edu (Steve Hideg)  
 Subject: [966] Re: help, need the KANGA rep (USA)  
 Message-ID: <v02130518ae0fa1d1d06a@[129.74.35.16]>

```

>Lost the contact for the source for the following book
>
>Test Equipment for the Radio Amateur.
>
>I do belive it was the US rep for KANGA, If this is so,
>
>I want the book, need contact info.
>
>
>tnks, 72 de Phil AC6LS

```

Bill Kelsey can be reached at <kanga@bright.net>

The Kanga US WWW page is at <<http://qrp.cc.nd.edu/kanga/>>

--Steve

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [979] Re: IARU HF Test/WRTC Stations  
Message-ID: <Pine.SUN.3.90.960715081833.20001D-100000@vortex.sage.dri.edu>

Hi Rich and All,

Well, I worked a few stations but NEVER HEARD even one of the  
WRTC gang! I tried on 20m and 40m, all CW.

Noise was very, very bad but did work EU on 40m.

Got W1AW/3 for ARRL but that was the only one of those heard. And  
that one was 20 over 9 here in NV.

Oh well, there will be another one.....maybe.....in a few years!

The NCCC gets a big hand from me for all their work!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Kevin Muenzler <wb5rue@amsat.org>  
Subject: [986] RE: IARU HF Test/WRTC Stations  
Message-ID: <01I73LRIPRY2A8CFU@ARWEN.UTHSCSA.EDU>

On Monday, July 15, 1996 3:21 AM, Monte Stark[SMTP:ku7y@sage.dri.edu] wrote:

>Hi Rich and All,

>

>Well, I worked a few stations but NEVER HEARD even one of the



>WRTC gang! I tried on 20m and 40m, all CW.  
<snip>

>cul,  
>  
>73, Ron,  
>

I got lucky! I turned on my rig (20m) and without even tuning the dial I heard "QRZ this is W6T" at about S9+20! It took a few tries to get him, I was running 8 watts. He was the only one I heard all day. (gloat gloat....) I guess I was just blessed or something because later on that night on 20-meters I heard a V63 station calling CQ. GOT HIM! He was about S9+10. I must have been listening at just the right time because within five minutes he was down in the noise. Right after I signed it sounded like a bee-hive of SSB signals. He was on 14.158 if anyone is interested at about 04:30 UTC, I think his call was V63AR. His name is Yuji(sp?).

73,  
Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: sholla@panasonic.atlanta.com (Holland, Steve)  
Subject: [990] RE: No truth to posting on 73 mag!  
Message-ID: <1996Jul15.125300.1619.35110@ntserver.panasonic.atlanta.com>

I will have to disagree with the posting by Stuart. I read the W5YI report and it had the same basic information other news sources had reported. No where did I read it as saying 73 was defunct or going defunct. It did report that Mrs. Green owned it. You are doing the same bashing you accuse W5YI of doing. By falsely accusing them of something they did not say. What I have seen posted on the net is parts of the whole story and if taken in that context it looks bad for the W5YI report. I liked 73 magazine but could not stand the ramblings of Wayne Green. He reminded me of the Russians. As far as the Russians were concerned they did everything first. Green appeared the same way. If it concerned ham radio he did it first. 73 magazine has put out a lot of good information and I think it could be a great magazine if Wayne got down off the soapbox long enough to run it like it should be. I think all of his businesses that are bankrupt should give testimony to his thought process and business abilities. Maybe the big advertisers were not in 73 magazine because they read his editorials.

I also do not agree with some of W5YI's business practices and his trying to stop W1AW. I also was wondering how you can blame W5YI for false internet reports. Is that not the author's responsibility to make sure they put in as many facts as possible before pushing enter. 72 de N9HXX/4

Steve N9HXX/4  
sholla@panasonic.atlanta.com  
QRP-L # 555

-----  
From: rohre[SMTP:rohre@arlut.utexas.edu]  
Sent: July 15 1996 12:27  
Subject: No truth to posting on 73 mag!

NO NO NO. The rumor mongers at W5YI have done it again this year, for they have no love lost between them and any other ham group----look at their attempt to do in W1AW last year, and another false report on Wayne Green!

They do not tell you the whole story. The only part of Wayne Green business that is in bankruptcy is the defunct CD businesses, under WGE. The magazine is a different business entity.

"73" Magazine was sold to Mrs. Green to separate it from the other claims over a year ago. Look at the masthead once in awhile. W5YI should be ashamed of himself. We don't need businesses like his in amateur radio! We don't need false Inet reports like this doing in one of the few magazines actively supporting simple build it yourself projects, especially with the reported "Hambrew" situation. Give a "73" sub to a young ham to get them interested in building. I am not connected to them, but they are one of the few who are out there for the home constructor who is not into software solutions, or custom programming of projects. Some of their pieces are not polished, but they have kept plugging away. They support a QRP column, as well as authors from QRP-L.

-Stuart

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [1022] Re: No truth to posting on 73 mag!  
Message-ID: <2.2.32.19960715235043.00ab4a70@public.compuser.nf.ca>

Stuart and QRP-L gang,

Thanks for the good feedback and thanks for reminding us all that 73 probably does a better job getting articles in print for the QRPer. I know right here on the qrp-l list that some of our top-gun reviewers - Jeff Gold AC\$HF and Marshall Emm AA0XI get published fairly regularly in 73 and Mike Bryce WB8VGE is there every month with his QRP column - do you see that coverage in any of the other "commercial" slick ham mags (World Radio and Richard Fisher's QRP column is a special "best" class non-slick magazine).

I read a lot and probably spent a major portion of my ham budget on ham magazines (my wife is not threatened by THESE magazines - hi). I enjoy getting 73 magazine and sure I miss the old Ham Radio magazine. Sure the technical articles in 73 get a little ragged at times. And sure I wasn't happy about Wayne's last editorial questioning the NASA moon landing program, but in the same breath I learned a lot about Nickola Tulsa and some other things that I didn't know about Thomas Edison. All in all, I read (and read over again and again) more thought provoking articles from Wayne than I learn from the other mags (I don't care for CQ's Alan K2EEK food reviews but I think QST's Dave Sumner K1ZZ is one of the top "ham minds" in the world).

But as many can see Wayne - Never Say Die Green has a few folks who don't care for him. I noticed the dearth of negative comments that even came from our "benevolent" QRP-L list here about anti-Green comments. Tshh Tshh - shame on you all :^)

Anyway it's amazing how the "written word" threatens folks so... As usual you can always vote with your pocketbook and that is the bottom line.

Keep on reading - in between building and operating qrp.

Cheers 73/72 Bob V01DRB/WA6ERB

PS: By the way if no one knows this I believe that there may be a hint of "bad blood" between Fred at W5YI and Wayne W2NSD/1

At 11:18 7/15/96 -0500, you wrote:

>NO NO NO. The rumor mongers at W5YI have done it again this year, for they

>have no love lost between them and any other ham group----look at their  
>attempt to do in W1AW last year, and another false report on Wayne Green!  
>  
>"73" Magazine was sold to Mrs. Green to separate it from the other claims over  
>a year ago. Look at the masthead once in awhile. W5YI should be ashamed of  
>himself. We don't need businesses like his in amateur radio! We don't need  
>>false Inet reports like this doing in one of the few magazines actively  
>supporting simle build it yourself projects, especially with the reported  
>"Hambrew" situation. Give a "73" sub to a young ham to get them interested in  
>building. I am not connected to them, but they are one of the few who are out  
>there for the home constructor who is not into software solutions, or custom  
>programming of projects. Some of their pieces are not polished, but they have  
>kept plugging away. They support a QRP column, as well as authors from  
>QRP-L.  
>-Stuart  
>  
>

|                                                               |
|---------------------------------------------------------------|
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada     |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@nfld.com                                   |
| bgobrick@nlnet.nf.ca                                          |
| Compuserve: 70466.1405@compuserve.com                         |

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Bruce Pea <pea@wolfram.com>  
Subject: [971] Re: Quality vs. Quantity?  
Message-ID: <199607151329.IAA20103@dragonfly.wolfram.com>

Zack, et al,

I agree with everything you have said. As the new editor of the Michigan QRP Club's 5 Watter newsletter I am always on the look out for and in need of new and interesting articles.

BTW, it is extremely easy to become a world famous QRP author. Write up a short article - its easy to do - and send it to me!!

Always looking for new info and articles -

73, Bruce - N9WKE

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Philip Karras <ke3fl@access.digex.net>  
Subject: [980] RE: R/S DSP  
Message-ID: <Pine.SUN.3.94.960715112215.17026D-100000@access1.digex.net>

Thanks to all that responded to my R/S DSP request. I called the local RS again & was told that another local store had three left. I've picked one up. I wonder who or what the other RS person asked for if he didn't find any? Ok well, I'll never know. Thanks again!

72 & 73 de KE3FL/Phil  
:-)

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: bob.roach@sourcebbs.com (BOB ROACH)  
Subject: [985] Re: Re duplication in QRP  
Message-ID: <8C482AF.000103CEE1.uuout@sourcebbs.com>

Hi LB,

LBC>-On submitting material to more than one journal: in the trade, it is  
>-considered unacceptable by magazines and journals that pay or by refereed  
>-scholarly and technical journals. The proper routing is to submit to one  
>-journal and only submit to another if the first notifies you that it  
>-cannot use the material.

I can't agree with you on this. I am only able to afford a couple of magazines each month and therefore miss many things. If your idea were strictly followed I would miss a great deal. I can see having a system for scientific journals where the contributors are involved in a form of competition or for a publication where the authors are professionals, but that is not the case in this hobby. Our goal is supposed to be the spreading of knowledge and promotion of the hobby.

BTW if you applied your logic to plumbers, after the plumber fixed my bathtub he would not be able to fix yours without my permission and would have to give me credit for the job.(Strange!)

It would be nice if there were ONE comprehensive source for all amateur radio info, but it will never happen because there is no money in it.

73 de KE4QOK

Bob

LBC>-In our informal world of QRP journals, we should try to use this rule to  
>-avoid unnecessary duplication. If a piece is of interest to a group that  
>-does not receive the journal where it first appeared, the second journal  
>-should contact BOTH the editor/publisher of the first journal and the  
>-author asking permission to reprint, and then adding a note saying that  
>-the piece is reprinted by permission of the author and the journal. For  
>-example, QST has asked me to reprint the Wouf Hong/Rettysmith piece I did  
>-for 72, and I advised them to also contact the editor of 72 and to ensure  
>-credit to 72 was given--even though I controlled the copyright. What;s  
>-right is right, whatever legalities may say can be done to get around what  
>-is right.

LBC>-Items picked up off the QRP-L thus require special attention. The  
>-picker-upper should contact the author immediately. Once permission is  
>-given for journal X to print the info, an inquiry from journal Y should be  
>-turned down with an explanatory note. If journal Y still wants the  
>-material, it should wait until journal X's version appears and then go  
>-through the reprint procedure.

LBC>-Having published articles and other materials for over 30 years, I can  
>-assure you that these are basic courtesies of the publishing business, and  
>-they are applicable to the informal world of our smaller QRP journals. If  
>-an author is suspected of sending material to more than one journal  
>-simultaneously (perhaps due to a pattern of past practices), editors  
>-should communicate with each other to ensure adherence to the basic  
>-courtesies. In the "paid-for" portion of journal publication, multiple  
>-submissions of the same material simultaneously may well result in all  
>-editors declining an author's material in the future (for none of them  
>-want to be burned twice).

LBC>-Are there exceptions? Rarely, but sometimes. An author should be  
>-absolutely open with editors whenever such exceptions seem appropriate.  
>-For example, the little story about my Dad and the Lindbergh flight,  
>-originally written for 10-10 News and sent out on qrp-l for entertainment  
>-will appear in Low Down, and the editors are well aware of the dual  
>-publication, believing as I do that it will find two different audiences.  
>-This is perhaps the only time I have authorized dual publication, normally  
>-awaiting the reprint route.

LBC>-By being open, by communicating, and by thinking about the courtesies of  
>-publishing--no matter how informal the setting--we can all do our part to  
>-improve the quality of all the publications--including, but not limited  
>-to, reducing unnecessary repetitions of material.

LBC>--73-

LBC>-LB, W4RNL

\* SLMR 2.1a \* Re: Re: Re: Re: Re: Re: Re: Re: Re: Re: Re: Re: Re: R

---

This message originated from: ----- Selective Source BBS  
----- Virginia Beach, Virginia  
----- (804) 471 6776

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [963] Re: Re duplication in QRP journals  
Message-ID: <Pine.SOL.3.94.960715074457.14990H-100000@utkux4.utcc.utk.edu>

On submitting material to more than one journal: in the trade, it is considered unacceptable by magazines and journals that pay or by refereed scholarly and technical journals. The proper routing is to submit to one journal and only submit to another if the first notifies you that it cannot use the material.

In our informal world of QRP journals, we should try to use this rule to avoid unnecessary duplication. If a piece is of interest to a group that does not receive the journal where it first appeared, the second journal should contact BOTH the editor/publisher of the first journal and the author asking permission to reprint, and then adding a note saying that the piece is reprinted by permission of the author and the journal. For example, QST has asked me to reprint the Wouf Hong/Rettysnith piece I did for 72, and I advised them to also contact the editor of 72 and to ensure credit to 72 was given--even though I controlled the copyright. What;s right is right, whatever legalities may say can be done to get around what is right.

Items picked up off the QRP-L thus require special attention. The picker-upper should contact the author immediately. Once permission is given for journal X to print the info, an inquiry from journal Y should be turned down with an explanatory note. If journal Y still wants the material, it should wait until journal X's version appears and then go through the reprint procedure.

Having published articles and other materials for over 30 years, I can assure you that these are basic courtesies of the publishing business, and they are applicable to the informal world of our smaller QRP journals. If an author is suspected of sending material to more than one journal simultaneously (perhaps due to a pattern of past practices), editors should communicate with each other to ensure adherence to the basic

courtesies. In the "paid-for" portion of journal publication, multiple submissions of the same material simultaneously may well result in all editors declining an author's material in the future (for none of them want to be burned twice).

Are there exceptions? Rarely, but sometimes. An author should be absolutely open with editors whenever such exceptions seem appropriate. For example, the little story about my Dad and the Lindbergh flight, originally written for 10-10 News and sent out on qrp-l for entertainment will appear in Low Down, and the editors are well aware of the dual publication, believing as I do that it will find two different audiences. This is perhaps the only time I have authorized dual publication, normally awaiting the reprint route.

By being open, by communicating, and by thinking about the courtesies of publishing--no matter how informal the setting--we can all do our part to improve the quality of all the publications--including, but not limited to, reducing unnecessary repetitions of material.

-73-

LB, W4RNL

From owner-qrp-l@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Steve.Hideg.1@nd.edu (Steve Hideg)  
Subject: [967] Re: Re duplication in QRP journals  
Message-ID: <v02130515ae0fa0b38eb7@[129.74.35.16]>

>Items picked up off the QRP-L thus require special attention. The  
>picker-upper should contact the author immediately. Once permission is  
>given for journal X to print the info, an inquiry from journal Y should be  
>turned down with an explanatory note. If journal Y still wants the  
>material, it should wait until journal X's version appears and then go  
>through the reprint procedure.

How about web sites? I sometimes take things from QRP-L and put them on the Internet QRP Club WWW site. Is this not acceptable if the information has already made its way into a paper-based journal?

-----  
Steve Hideg Macintosh Consultant/Analyst





work with and pleasant to contact.

That is my best guess at the moment.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Bruce C. Williams" <n9jcv@wwa.com>  
Subject: [1028] Re: Still no QRPP  
Message-ID: <Pine.BSD.3.92.960715214504.15085A-100000@shoga.wwa.com>

Will I hate to take space for this, but now I am getting worried.  
As of today Monday July 15th, I still have not received my QRPP.  
Is anyone else still in the same boat?  
Qth here is a suburb of Chicago.

Please reply direct to save bandwidth.

Thanks  
Bruce N9JCV Norcal #359

On Fri, 12 Jul 1996, W. Dennis Zeares wrote:

> Still no QRPP in my mail box...  
> 72,  
> dennis k3ets  
>  
>

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Frank" <g3ycc@enterprise.net>  
Subject: [1014] Re: SWR v FS Meter  
Message-ID: <199607152316.XAA02442@mail.enterprise.net>

I note your comments with interest and many thanks. What I did was to compare readings with the FSM to those on an outboard SWR bridge, and found that maximum field strength as measured at the antenna socket, corresponded to minimum SWR. That is why I decided to incorporate a FSM instead of SWR into my AMU (ATU).

Interesting topic.

Thanks very much and 73.

--

Frank G3YCC

Ham Radio QRP Web Page:

<http://homepages.enterprise.net/g3ycc/>

-----

> From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
> To: g3ycc@enterprise.net  
> Subject: Re: SWR v FS Meter  
> Date: 15 July 1996 16:30  
>  
> In <199607141153.LAA23132@mail.enterprise.net>, Frank wrote:  
> >In the 'good old days', before SWR was thought of, we tuned for maximum  
RF  
> >(or for maximum smoke, as some said - maybe describing their PSUs!). Do  
we  
> >rely too much on SWR? I think we do.  
>  
> Frank,  
> Try this on for size (and shoot me down if you see a flaw):  
>  
> Everyone seems to have a bias toward maximizing electric field (voltage)  
> in electronic gear. Their thinking goes like this: " If I maximize the  
> voltage going out, I automatically maximize power". What you may be  
doing  
> is simply tuning your antenna/feedline for minimum reactance, and  
maximum  
> resistance.  
>  
> The SWR meter tells you more. It takes into account the current too.  
> If you only measure voltage at the rig's output, you'll tend to trim  
your  
> system to higher and higher impedance, because that's what'll give you  
> the highest voltage indication. Not necessarily the highest power. And  
if  
> you measure voltage at different points in your feedline/antenna, you  
> may measure different voltages.  
>  
> On the other hand, the SWR meter that I use really does give an  
> indication of output power. Actually, switched in the "FWD" position, it  
> tells forward power plus reflected power. When matched, reflected power  
> is zero, and the meter reads output power. If I can get it to go up,  
> then I KNOW that I'm putting out more.  
>  
> Now if you're using the simple voltage measuring meter to monitor  
> the rig's output (into a dummy load of 50 ohms) while you tune up your

> rig...then that's fine. But I'd be really careful about using the same  
> meter to tune an antenna, feedline, or ATU.

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: "Frank" <g3ycc@enterprise.net>  
Subject: [994] Re: TS-520S, HW-7 mods  
Message-ID: <199607151822.SAA04600@mail.enterprise.net>

Hello Mike.

I have put quite a bit on my web pages about HW7 mods - yes it was a very  
yeuch RX, but it was cheap!

--

Frank G3YCC  
Ham Radio QRP Web Page:  
<http://homepages.enterprise.net/g3ycc/>

-----  
> From: Mike Czuhajewski <wa8mcq@u1.abs.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: TS-520S, HW-7 mods  
> Date: 14 July 1996 21:38  
>  
> In answer to some recent questions about mods for the TS-520S and  
> HW-7:  
>  
>  
> QRP WITH THE TS-520S:  
>  
> One way to reduce power on the TS-520, which was the subject of a  
> technical tidbit in the QRP Quarterly a long time ago by K3NC0, is to  
> use an ALC power controller. That's the old trick of feeding a  
> voltage into the ALC jack on the rear of a rig to throttle it back,  
> and it works just as well on a tube rig as a solid state one. Use  
> the same voltage and polarity that you'd use for a solid state rig.  
> I can't remember any details, but he probably used a 9 volt battery  
> and a large pot, perhaps 100K. Not critical.  
>  
> A second way to reduce the power was in the Jan 1993 issue of the QRP  
> Quarterly, an article by Richard Kerr Jr, KA8EGS, with my own  
> comments added to it. It contained some simple schematics; while I  
> could supply the text here and add some ASCII art schematics, I won't  
> since doing ASCII art is a compromise at best and rather tedious to  
> do. Instead, if anyone wants a copy of that article, send me an SASE  
> with one unit of postage and I'll pass it along.  
>  
> The mod throttles down the power by cranking back the screen grid

> voltage. Normally +210 volts, his mod drops it to around 65 volts or  
> so, for 4 1/2 watts out. He removed a resistor in the voltage  
> dropping network that provides the screen voltage, replaced it with a  
> small board-mounted pot, and uses the SG switch on the rear panel for  
> switching. His method results in only being able to use the rig for  
> QRP, and not run full power, so I came up with a slightly different  
> arrangement to let the SG switch select either full power or QRP.

>

> By the way, these mods work with TS520, 530, 820, 830 equally well  
> (although the implementation on the TS-830 is slightly different  
> since its SG switch controls a relay instead of directly switching  
> the screen voltage.)

>

> HW-7 MODIFICATION

>

> Yes, the HW-7 has a rotten receiver by any standard! You can't  
> really blame them for it, since all direct conversion receivers of  
> that day seemed to have the same problems--shortwave broadcast  
> breakthrough, tunable hum, microphonics, etc. The reason is that they  
> all used a 40673 or similar MOSFET as a product detector connected  
> directly to the antenna. The Ten Tec PM series had the same  
> problems, and they happened to use the same product detector, as did  
> many DC receivers built from scratch. Basically, "we" didn't know any  
> better at the time. W7EL, in his August 1980 QST article "An  
> Optimized QRP Transceiver", provided the breakthrough--get rid of the  
> MOSFET, which is a beautiful square law detector and replace it with  
> a double balanced mixer, either a commercial module like the SBL-1  
> from Mini Circuits, or make your own. That takes care of the AM  
> detection as well as the tunable hum that occurred with some (not  
> all) AC power supplies. (The microphonics can be eliminated by  
> getting rid of the tunable preselector and using a fixed tuned filter  
> instead, using fixed capacitors.)

>

> The QRP Quarterly had an article by KN1H in the mid 80's on replacing  
> the MOSFET with a double balanced mixer, but both the text and  
> drawings suffered at the hands of the editor and John was never happy  
> with the way it all appeared in print. In the April 1995 issue of  
> the QRP Quarterly I did an update of his article, with redrawn (and  
> lucid!) schematics and additional commentary. If you'd like a copy,  
> send an SASE with one unit of first class postage.

>

> 73 and Queue Our Pea DE WA8MCQ                      wa8mcq@abs.net

>

> 7945 Citadel Drive, Severn, MD 21144

>

>

>

From owner-qrp-1@Lehigh.EDU Mon Jul 15 23:13:15 1996  
From: Art Searle <asearle@netusa.net>  
Subject: [1018] Re: Whats My Grid Square?  
Message-ID: <31EB099E.64F3@netusa.net>

Bill Marsh wrote:

>

> I am located at Latitude 394348N Longitude 0754138W. Can anyone tell me my  
> grid square? Thanks. 72 Bill, K3AS

Your grid square is FM29DR

I just found this site:

<http://gepasi.dbs.aber.ac.uk/auj/bin/locate.pl>

It calculates grid squares.

I tried it, it works.

--

Art Searle, WU2K, NY, ARRL Life Member, QRP-L #524, QRP ARCI #9123  
NorCal 1708, DXCC MX & CW HR , NRA Benefactor Life Member,  
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club  
Yosemite Sam "I'm a rootin' tootin' shootin' son of a gun"